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Water Resources Data for Connecticut, Water Year 1971 Part 1, Surface Water Records. Part 2, Water Quality Records. Part 3, Ground Water Records

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1972

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1971

Water Resources Data for Connecticut

Water Year 1971

Part 1. Surface Water Records

Part 2. Water Quality Records

Part 3. Ground Water Records

MARCH 3, 1849

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UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CT-71-1

Prepared in cooperation with the State of Connecticut
and with other agencies

CALENDAR FOR WATER YEAR 1971

OCTOBER 1970

S	M	T	W	T	F	S
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NOVEMBER 1970

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JANUARY 1971

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FEBRUARY 1971

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MARCH 1971

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APRIL 1971

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MAY 1971

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JUNE 1971

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JULY 1971

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AUGUST 1971

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SEPTEMBER 1971

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26	27	28	29	30		

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Water resources data for the 1971 water year for Connecticut consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of wells and springs. This report contains discharge records for 85 gaging stations; stage and contents for 13 lakes and 25 reservoirs; water quality for 19 gaging stations, and water levels for 28 observation wells. Also included are 95 low-flow and 44 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Connecticut.

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Water Resources Data
for
Connecticut
Water Year 1971

Part 1. Surface Water Records
Part 2. Water Quality Records
Part 3. Ground Water Records

MARCH 3, 1849

UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER-DATA REPORT CT-71-1

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Prepared in cooperation with

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Corps of Engineers, U.S. Army
Environmental Protection Agency

Copies of this report may be obtained from
District Chief, Water Resources Division
U.S. Geological Survey
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Hartford, Connecticut 06101

1972

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Mansfield	414548N0721145.1	MS 19.......	270

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WATER RESOURCES DATA FOR CONNECTICUT, 1971

Part 1. Surface-Water Records
Part 2. Water-Quality Records
Part 3. Ground-Water Records

INTRODUCTION

Water resources data for the 1971 water year for Connecticut including records of streamflow or reservoir storage at gaging stations and partial-record stations, and records of water-quality data on the chemical and physical characteristics of surface and ground water, and ground water levels, are given in this report. In Part 1, records are included for 85 gaging stations. Also are included records for 95 low-flow partial-record stations, 44 crest-stage partial-record stations. Locations of gaging stations are shown in Figure 1. In Part 2, data on the quality of surface water (chemical and temperature) were collected from designated sampling sites at predetermined intervals such as once monthly, or less frequently, and at two sites data was recorded on punched paper tape at 60-minute intervals. Records are given for sampling stations on which 19 are continuous record stations, none are partial-record stations, and 138 are miscellaneous sites. Records of chemical analyses also are given for 161 ground-water sites. Locations of water-quality stations are shown in Figures 1 and 2. A few pertinent stations (not included above) in bordering States are also included in this report. In Part 3, data on ground-water levels were collected at 28 sites. Location of the observations well sites are shown on Figure 2. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of John A. Baker, district chief. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Connecticut.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year, and ground-water records beginning with the 1967 water year have been similarly released in conjunction with the streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States.

Through December 31, 1955, ground-water levels were published in an annual series of U.S. Geological Survey water-supply papers. The calendar year 1956 through 1960 span a transition period wherein the reports were converted from presentation of only one year's data to presentation of five year's data. More information is given under the headings "Publications" on pages 12, 13, 16 and 17.

COOPERATION

The U.S. Geological Survey and organizations of the State of Connecticut have had cooperative agreements for the systematic collection of surface-water records since 1928, for water-quality records since 1952, and ground-water records since 1934. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreements with the Survey are:

State Water Resources Commission, E.J. McDonough, chairman, and J. J. Curry, director.

State Highway Department, A. Earl Wood, commissioner.

City of Hartford, Department of Public Works, George E. Heppner, director.

Greater Hartford Flood Commission, George E. Heppner, director.

City of New Britain, Board of Water Commissioners, John A. McManus, director Board of Water Commissioners.

City of Torrington, Francis Sattin, director, Public Works.

Assistance in the form of funds were given by the Corps of Engineers, Department of the Army, in collecting records for eight gaging stations published in this report. Funds were furnished by the Environmental Protection agency collecting water-quality data for the Connecticut River at Thompsonville, Connecticut.

The following organizations aided in collecting records:

Metropolitan Water Bureau of Hartford; city of Waterbury; Massachusetts Department of Natural Resources; Connecticut Light and Power Co.; Rockville Water and Aqueduct Co.; city of Putnam; city of Wallingford; Farmington River Power Co.; Hartford Electric Light Company.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons.

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters is determined by the immediate or delayed incubation membrane filter method.

Contents is the volume of water in a reservoir or lake, Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designated a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs)."

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage" although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharges are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per liter (ug/l, UG/L) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (mg/l. MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1, page 5 .

Partial-record station is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*...	0.11119	Iodide (I^{-1})......	0.00788
Ammonia as NH_4^{+1}..	.05544	Iron (Fe^{+3})*......	.05372
Barium (Ba^{+2})......	.01456	Lead (Pb^{2})*......	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*...	.14411
Bromide (Br^{-1}).....	.01251	Magnesium (Mg^{+2})..	.08226
Calcium (Ca^{+2}).....	.04990	Manganese (Mn^{+2})*.	.03640
Carbonate (CO_3^{-2})..	.03333	Nickel (Ni^{+2})*....	.03406
Chloride (Cl^{-1})....	.02821	Nitrate (NO_3^{-1})...	.01613
Chromium (Cr^{+6})*...	.11539	Nitrite (NO_2^{-1})...	.02174
Cobalt (Co^{+2})*.....	.03394	Phosphate (PO_4^{-3}).	.03159
Copper (Cu^{+2})*.....	.03148	Potassium (K^{+1})...	.02557
Cyanide (CN^{-1}).....	.03844	Sodium (Na^{+1}).....	.04350
Fluoride (F^{-1}).....	.05264	Strontium (Sr^{+2})*.	.02283
Hydrogen (H^{+1}).....	.99209	Sulfate (SO_4^{-2})...	.02082
Hydroxide (OH^{-1})...	.05880	Zinc (Zn^{+2})*......	.03060

*Constituent reported in micrograms per liter; multiply by factor and divide results by 1,000.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water.

Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the water year.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 1.00136.

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixture in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in reference to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

International Hydrological Decade (IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

Radiochemical program is a network of regularly sampled water quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 01188000, which appears just to the left of the station name includes the 2-digit part number "01" plus the 6-digit downstream order number "188000." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 1 (Basins from Maine to Connecticut)

WELL NUMBERS

The well numbering system of the U.S. Geological Survey is based on the grid system of latitude and longtitude. The number consists of 14 digits and one letter. The first 6 digits denote the degrees, minutes, and seconds of latitude followed by the letter "N" which indicates that the latitude is north of the equator. Seven digits following the letter denote degrees, minutes, and seconds of longitude.

The last digit is a sequential number for wells within a 1-second grid. The system provides the geographic location of the well and a unique number for each well. The use of the latitude-longitude well-numbering system is illustrated on figure 3 ,P. 21 for well 414054N071-5520.1.

Wells in Connecticut also have been assigned numbers based on the town in which a well is located. The numbers based on location within towns include a letter symbol derived from the town name and the serial numbers based on location within towns are used to identify the wells shown on figure 2, p. 20.

SURFACE WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 30-or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the U.S. Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record snd occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION' for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. The maximum discharge and the maximum gage height, the minimum discharge if there is little or no regulation and the minimum gage height, if it is significant, are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge, it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS."

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the "EXTREMES" paragraph. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 A.M. is 0030, 1:30 P.M. is 1330.

Data collected at partial-record stations and miscellaneous sites are given in two tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations.

Accuracy of data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made fordiversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments in reservoir contents. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Connecticut for the period October 1960 to September 1965 are in Water-Supply Paper 1901.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States " have been published; the first series covers the entire period of record through September

1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously puslished records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Connecticut are compiled in Water-Supply Paper 1301 through September 1950, and in 1701 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging station records are available in computer-usable form and many statistical analyses have been made.

WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, period of record for the various water-quality data, extremes of pertinent data,and general remarks, in a format similar to that used for streamflow gaging stations. For ground-water stations, no descriptive statements are given; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water.

Water-quality information is presented for chemical quality, microbiological, and water temperature. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, sodium adsorption ratio, specific conductance, and pH.

Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder furnished information from which daily minimums and maximums are obtained.

Prior to the 1968 water year, data for chemical constituents were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents are now reported in milligrams per liter (mg/l) and water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter. To convert temperatures in degrees Celsius to degrees Fahrenheit, see table 2 below.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definition of Terms," p. 3.)

Table 2.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Solutes

The methods of collecting and analyzing water samples for determining the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

At chemical quality stations where monitors are installed, the records consist of daily maximum, minimum, and mean values for each constituent measured. More detailed records (hourly values) may be obtained from the district office of the U.S. Geological Survey at the address given on page ii of this report.

Ground-water quality does not change significantly during short periods of time; infrequent sampling and analysis of ground water adequately define ground-water quality at a given site. Water samples from wells are analyzed individually.

Temperature

Water temperatures are measured at most of the water-quality stations. For daily stations, the water temperatures are taken about the same time each day when sample is collected. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Field Analyses

Field-measured analyses represent conditions only at the time of sampling. The accuracy of field-measured values for pH and specific conductance which use the same analytical technique as the laboratory may be slightly higher than the laboratory analyses because some changes in parameter occur during shipping and storage time in the lbaoratory. Symbol "A" shown in tables, indicates field analyses.

Publications

The annual series of water-supply papers that contain information on quality of surface water in Connecticut are listed below:

Water year	WSP No.	Water year	WSP No.
1953	1290	1961	1881
1954	1350	1962	1941
1955	1400	1963	1947
1956	1450	1964	1954
1957	1520	1965	1961
1958	1571	1966	1991
1959	1641	1967	2011
1960	1741	1968	2091

GROUND-WATER RECORDS

Abbreviations

Standard abbreviations are used in the well description. The most commonly used abbreviations and their explanations are as follows:

diam -- diameter
eom -- end of month
ft -- foot or feet
in -- inch of inches
lat -- latitude
long -- longitude
lsd -- land-surface datum
msl -- mean sea level
MP -- measuring point
U.S. -- United States; abbreviated only when followed by name of a government agency.

Water-Level Measurements

Water levels are in feet below land-surface datum except in the city of New Haven, where they are above or below mean sea level. A minus sign before the measurement indicates that it is below mean sea level. The screened interval open to the aquifer is recorded in ft.

Beginning in 1956 ground-water levels in Connecticut were published in a series of bulletins by the Connecticut Water Resources Commission. Data contained in this series was on a calendar year basis, covering the years 1956 to 1966, inclusive.

Beginning in 1967 ground-water levels in Connecticut were published in the annual series of reports Water Resources Data for Connecticut. Data in this series of reports is on a water-year basis.

Publications

The annual series of water-supply papers that contain information on ground-water levels in Connecticut are listed below:

Calendar year	WSP No.	Calendar year	WSP No.
1935	777	1947	1096
1936	817	1948	1126
1937	840	1949	1156
1938	845	1950	1165
1939	886	1951	1191
1940	906	1952	1221
1941	936	1953	1265
1942	944	1954	1321
1943	986	1955	1404
1944	1016	1956-57	1537
1945	1023	1958-62	1782
1946	1071	1963-67	1977

SELECTED REFERENCES

American Public Health Association, and others 1971, Standard methods for the examination of water and wastewater, 13th ed.: Am. Public Health Assoc., New York, 874 p.

Brown, Eugene, Skougstad, M. W., and Fishman, M. J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gases: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. A1, 160 p.

Carter, R. W., and Davidian, Jacob, 1968, General procedures for gaging streams: U.S. Geol. Survey Techniques of Water-Resources Inv., book 3, chap, A6, 13 p.

Corbett, D. M., and others, 1943, reprinted 1957, Streamgaging procedures, a manual describing methods and practices of the Geological Survey: U.S. Geol. Survey Water-Supply Paper 888, 245 p.

Hem, J. D., 1970, Study and interpretation of the chemical characteristics of natural water - Revised edition: U.S. Geol. Survey Water-Supply Paper 1473, 363 p.

Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.

Thomas, M. P., and Cervione, M. S., Jr., 1970, A proposed streamflow data program for Connecticut: Connecticut Water Resources Bull. No. 23, 18 p.

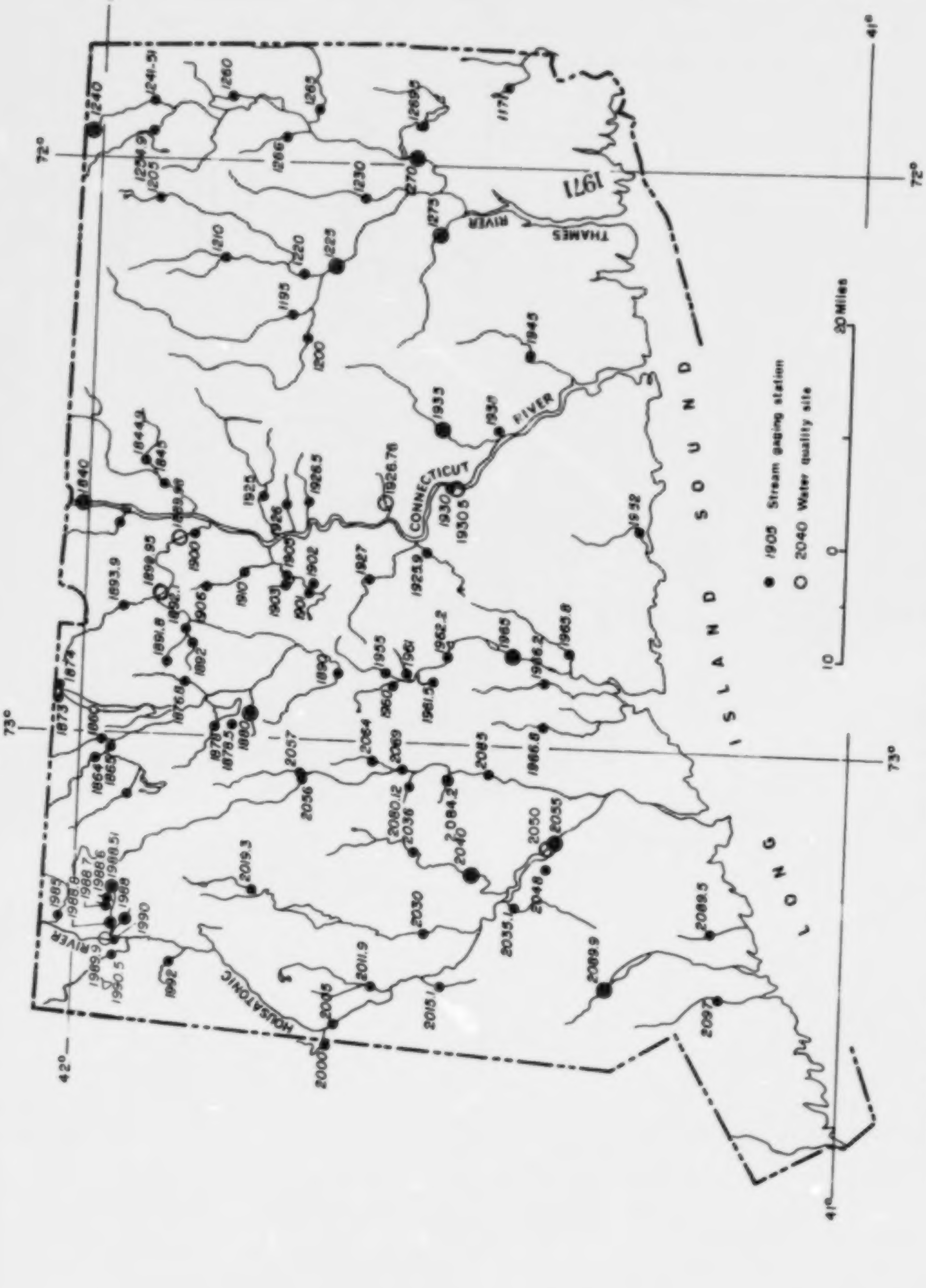
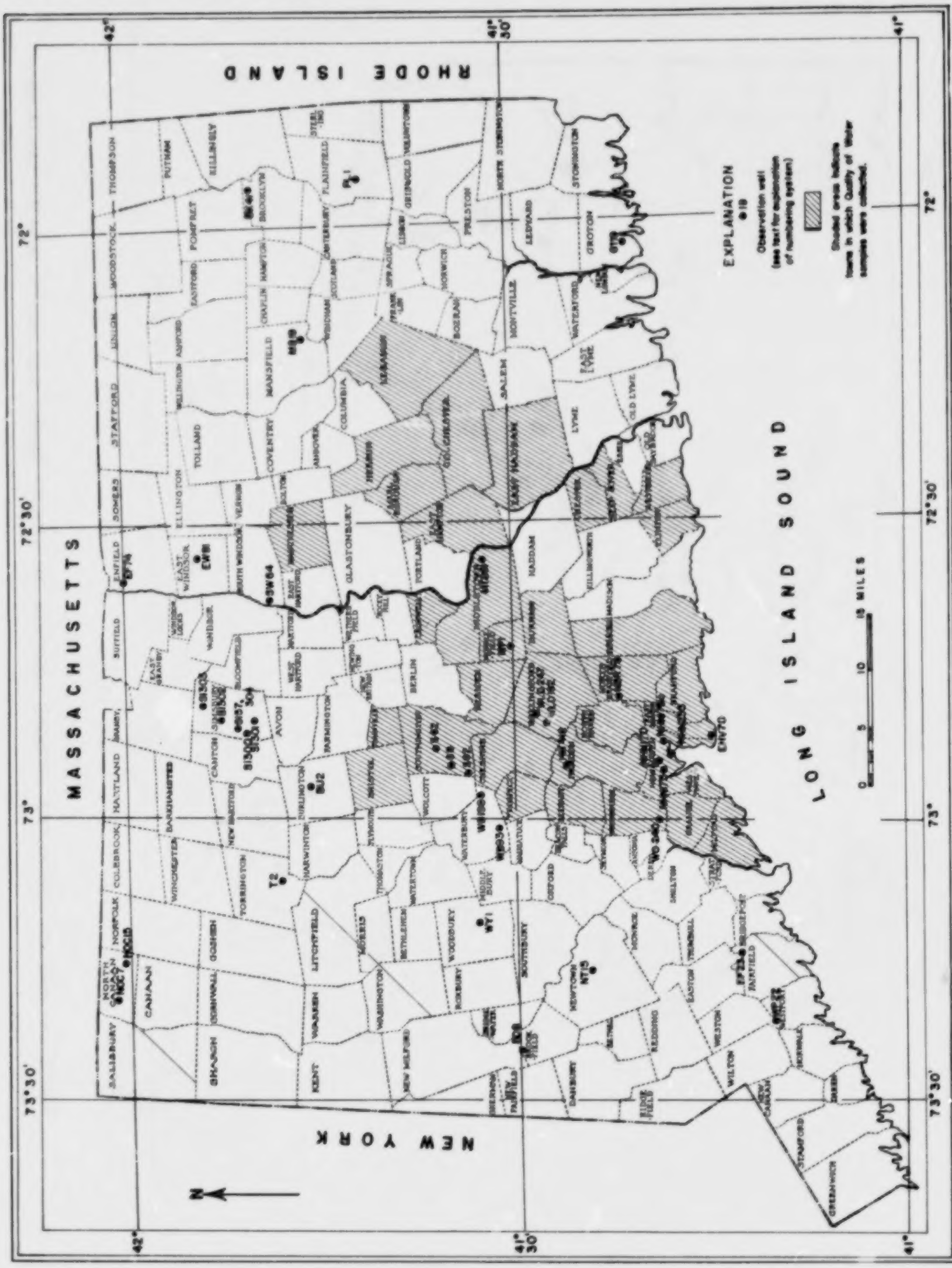
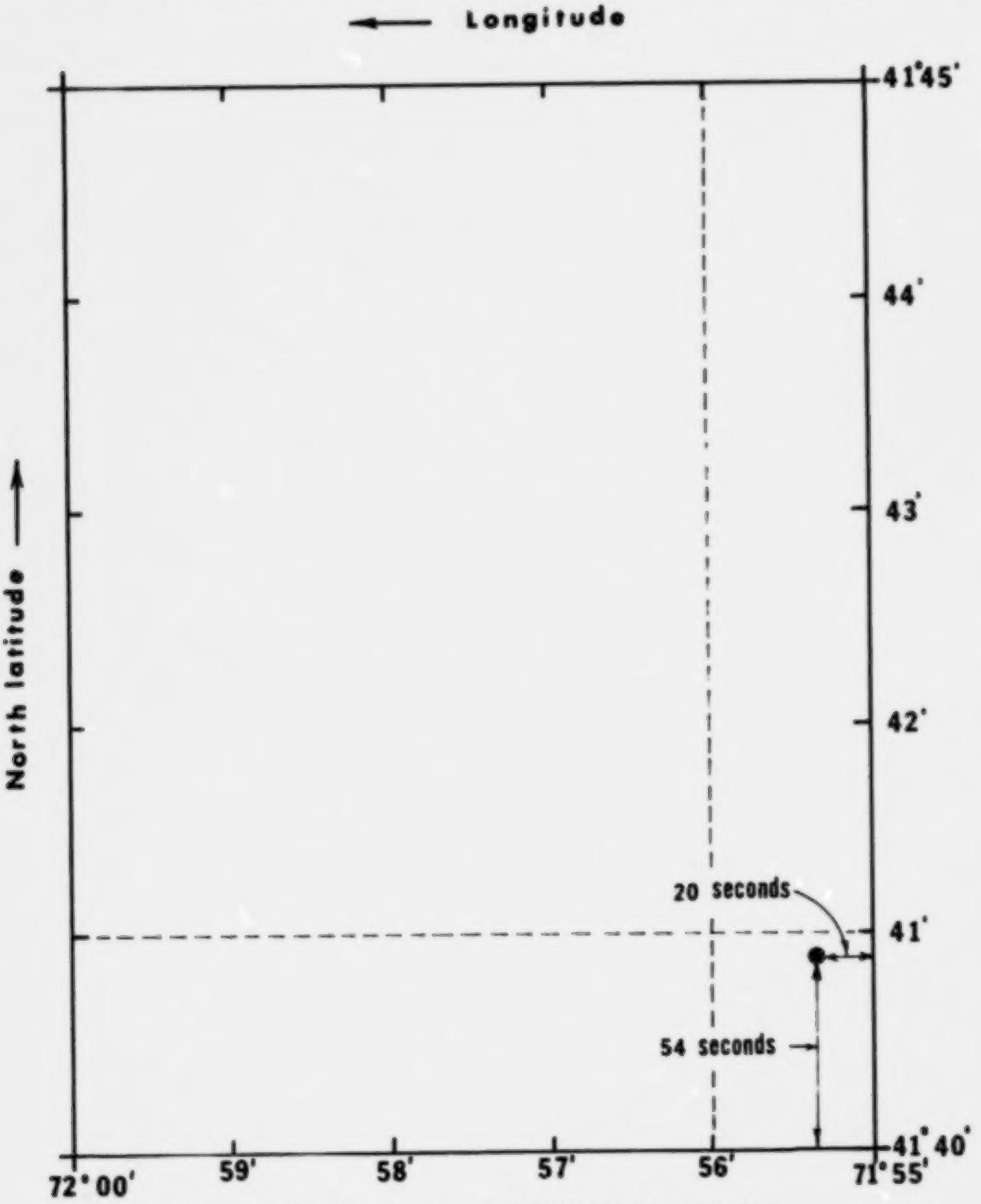

42°
72°
73°
41°
1240
1241.51
1260
1265
1266
1254.9
1205
1230
1268.5
1270
1171
1273
THAMES RIVER
1971
1210
1220
1225
1195
1200
1945
1935
1950
1932
CONNECTICUT RIVER
1930
1930.5
1926.76
1925
1926
1926.5
1840
1844.9
1845
1898.95
1900
1893.9
1899.95
1910
1903
1905
1902
1901
1927
1922.9
1906
1891.8
1892
1874
1873
1876.8
1878
1878.5
1880
1890
1955
1960
1961
1961.5
1962.2
1965
1965.2
1965.8
1966.8
1860
1864
1865
2057
2064
2069
2085
2056
2080.12
2036
2084.2
2040
2050
2055
2046
2035.1
2030
2019.3
2011.9
2015.1
2005
2000
2089.9
2089.5
2091
1985
1988.8
1988.7
1988.6
1988.51
1988
1990
1989.9
1990.5
1992
HOUSATONIC RIVER
LONG ISLAND SOUND
● 1905 Stream gaging station
○ 2040 Water quality site
10 0 20 Miles

FIGURE 1 -- MAP OF CONNECTICT SHOWING LOCATION OF STREAM GAGING AND WATER QUALITY STATIONS


MASSACHUSETTS
RHODE ISLAND
NEW YORK
LONG ISLAND SOUND
N
42°
41°30'
41°
72°
72°30'
73°
73°30'
0 5 10 15 MILES
EXPLANATION
●18
Observation well
(see text for explanation of numbering system)
Shaded areas indicate towns in which Quality of Water samples were collected.

MAP OF GROUND WATER OBSERVATION WELLS AND GROUND WATER QUALITY SAMPLING AREAS

FIGURE 2


← Longitude
North latitude →
41°45'
44'
43'
42'
41'
41°40'
72°00'
59'
58'
57'
56'
71°55'
20 seconds
54 seconds

Sketch showing location of well number 414054N715520.1 (Number 1 in Plainfield on figure 2)

FIGURE 3

PART 1. SURFACE-WATER RECORDS

01118300 Pendleton Hill Brook near Clarks Falls, Conn.

LOCATION.--Lat 41°28'29", long 71°50'05", New London County, on left bank just upstream from twin culverts on Grindstone Hill Road, 0.1 mile west of State Highway 49 in the township of North Stonington, 1.6 miles northwest of Clarks Falls, and 3.4 miles northeast of village of North Stonington.

DRAINAGE AREA.--3.85 sq mi.

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 152.90 ft above mean sea level.

AVERAGE DISCHARGE.--13 years, 7.95 cfs (28.04 inches per year).

EXTREMES.--Current year: Maximum discharge 65 cfs Feb. 27 (gage height, 2.88 ft); minimum 0.18 cfs Sept. 25-30 (gage height, 0.79 ft).

Period of record: Maximum discharge, 344 cfs Mar. 18, 1968 (gage height, 5.91 ft); minimum, 0.02 cfs Sept. 7-11 1964, Sept. 12, 13, 1965.

PEAK DISCHARGE.--(Base, 70 cfs): No peak above base.

REMARKS.--Records excellent.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.81	2.0	9.5	7.6	9.6	26	7.5	7.1	6.6	.91	2.3	.46
2	.79	8.1	8.8	8.1	4.2	20	16	20	5.6	1.7	1.5	.39
3	.75	31	8.2	8.2	3.6	18	14	24	6.3	1.1	1.2	.37
4	1.6	17	12	9.1	3.4	33	10	16	6.1	.87	1.2	.37
5	1.1	18	10	37	5.7	27	8.7	12	4.9	.79	1.4	.35
6	.80	13	9.0	30	10	22	21	9.9	4.0	.72	1.0	.32
7	.61	10	8.0	20	9.5	31	23	9.2	3.7	.65	.76	.32
8	.56	8.8	6.6	16	30	27	16	20	3.5	.57	.63	.32
9	.47	7.9	6.8	14	34	19	12	19	5.0	.50	.52	.32
10	.43	7.5	7.4	13	22	17	10	17	3.7	.48	.45	.26
11	.42	8.9	6.8	12	18	17	9.4	13	2.9	.42	.45	.21
12	.42	8.8	7.1	11	10	18	8.8	12	2.6	.44	2.9	.24
13	.37	14	7.2	10	25	16	8.4	12	3.0	.40	1.4	.87
14	.40	32	7.6	9.6	42	15	7.9	11	5.2	.81	.87	1.7
15	.46	27	6.7	9.5	21	15	7.5	13	3.5	.66	.69	1.2
16	4.3	22	5.6	8.7	15	14	7.3	26	2.8	.52	.59	.77
17	2.5	18	22	8.0	15	12	7.0	18	2.3	.47	.52	.54
18	1.4	16	26	7.0	14	11	7.1	14	2.3	.48	.45	.48
19	1.0	15	19	6.0	15	30	6.9	12	1.8	9.7	.41	.42
20	.75	16	18	5.1	19	22	6.7	11	1.6	21	.94	.37
21	.67	22	16	4.9	23	17	6.5	11	1.6	7.3	.73	.37
22	.50	18	13	6.2	18	14	6.1	13	1.5	3.6	.53	.37
23	16	16	12	7.1	26	12	5.8	11	1.4	2.2	.44	.33
24	18	14	12	7.2	22	10	6.4	9.2	1.3	1.7	.35	.26
25	9.5	12	11	7.5	18	9.7	6.0	8.7	1.3	1.5	.31	.19
26	6.6	11	10	11	16	9.3	5.8	8.3	1.1	1.6	.31	.18
27	4.9	11	9.7	16	43	8.8	5.6	7.4	1.0	1.9	.68	.18
28	3.4	10	8.7	14	39	8.7	8.7	6.9	.92	1.4	1.4	.18
29	2.9	9.7	7.9	5.6	------	8.4	9.4	6.5	.88	1.1	1.1	.18
30	2.5	10	7.4	6.8	------	7.8	7.8	7.3	.91	3.2	.67	.18
31	2.3	------	6.9	7.0	------	7.4	------	7.2	------	4.0	.54	------
TOTAL	87.21	434.7	326.9	343.2	531.0	523.1	283.3	392.7	89.31	72.69	27.04	12.70
MEAN	2.81	14.5	10.5	11.1	19.0	16.9	9.44	12.7	2.98	2.34	.87	.42
MAX	18	32	26	37	43	33	23	26	6.6	21	2.9	1.7
MIN	.37	2.0	5.6	4.9	3.4	7.4	5.6	6.5	.88	.40	.31	.18
CFSM	.73	3.77	2.73	2.88	4.94	4.39	2.45	3.30	.77	.61	.23	.11
IN.	.84	4.20	3.16	3.32	5.13	5.05	2.74	3.79	.86	.70	.26	.12

CAL YR 1970 TOTAL 3,340.34 MEAN 9.15 MAX 130 MIN .32 CFSM 2.38 IN 32.28
WTR YR 1971 TOTAL 3,123.85 MEAN 8.56 MAX 43 MIN .18 CFSM 2.22 IN 30.18

01119500 Willimantic River near South Coventry, Conn.

LOCATION.--Lat 41°45'02", long 72°15'58", Tolland County, on left bank 700 ft upstream from bridge on State Highway 31, 1 mile downstream from Mill Brook, 2.4 miles southeast of South Coventry, 2.8 miles upstream from Hop River, and 6.3 miles upstream from mouth.

DRAINAGE AREA.--121 sq mi.

PERIOD OF RECORD.--September 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is 239.05 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE(adjusted for storage since water year 1961).--40 years, 203 cfs (22.78 inches per year).

EXTREMES.--Current year: Maximum discharge, 752 cfs Mar. 16-17 (gage height, 5.92 ft); minimum 14 cfs Sept. 8 (gage height, 3.10 ft); minimum daily 19 cfs Aug. 23.
Period of record: Maximum discharge, 24,200 cfs Aug 19, 1955 (gage height, 18.66 ft, from floodmarks), from rating curve extended above 3,600 cfs on basis of computation of flow over dam at gage height, 12.2 ft and contracted-opening measurement of peak flow; minimum 2.0 cfs Aug 21, 22, 1949 (gage height, 1.60 ft); minimum daily 2.5 cfs Sept. 18, 1949.

PEAK DISCHARGE.--(Base, 1,100 cfs): No peak above base.

REMARKS.--Records excellent except for periods of missing record or ice effect which are good. Flow regulated by Staffordville Reservoir (see p.42). High flow regulated by six flood detention reservoirs in Middle River basin (combined usable flood capacity 305,400,000 cu ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	37	80	65	110	580	279	235	172	65	99	39
2	29	36	75	65	85	502	276	206	155	149	81	34
3	29	48	70	70	70	423	397	230	195	109	68	33
4	48	53	100	80	60	410	418	353	444	68	59	33
5	54	83	150	176	50	359	344	318	285	54	58	23
6	43	80	130	210	60	321	299	247	209	46	54	20
7	39	64	110	187	70	312	361	223	180	39	46	20
8	36	52	80	170	100	358	397	208	175	36	31	27
9	33	48	83	130	130	302	377	260	339	31	26	36
10	32	48	87	107	150	267	419	331	221	27	29	34
11	29	54	80	92	160	270	407	296	173	25	35	32
12	28	56	76	90	140	253	341	251	146	25	106	437
13	29	61	76	80	200	249	299	359	118	26	60	330
14	29	152	82	76	581	243	274	630	114	36	44	222
15	31	154	95	74	480	291	253	435	112	28	30	208
16	54	151	117	72	321	614	239	426	103	22	23	139
17	61	115	114	70	254	669	228	526	98	22	28	101
18	43	96	112	70	213	517	219	393	91	31	30	83
19	37	85	106	70	221	439	217	316	84	36	27	62
20	33	90	111	70	238	622	205	275	69	50	35	54
21	35	125	101	65	244	524	198	252	70	49	34	86
22	40	122	96	55	219	442	193	256	80	42	23	91
23	81	120	98	50	308	413	185	235	70	38	19	72
24	116	120	95	45	304	388	176	214	73	35	21	61
25	74	100	95	45	258	339	180	202	70	25	23	51
26	58	90	88	60	249	313	194	208	77	24	26	39
27	55	80	85	70	482	295	187	191	60	33	35	36
28	49	70	80	80	617	289	184	179	49	36	109	41
29	45	70	75	95	------	305	259	167	53	33	93	44
30	43	75	70	140	------	309	263	163	54	99	50	42
31	42	------	70	120	------	297	------	172	------	129	46	------
TOTAL	1,387	2,535	2,887	2,849	6,374	11,915	8,268	8,750	4,135	1,468	1,450	2,590
MEAN	44.7	84.5	93.1	91.9	228	384	276	282	138	47.4	46.8	86.3
MAX	116	154	150	210	617	669	419	630	444	149	109	437
MIN	28	36	70	45	50	243	176	163	49	22	19	20
(†)	-1.9	+1.2	+2.9	-1.5	+5.1	+7.6	0	0	-2.5	-1.7	-4.9	-6.1
MEAN ‡	42.8	85.7	96.0	90.4	233	392	276	282	136	45.7	41.9	80.2
CFSM ‡	0.35	0.71	0.79	0.75	1.93	3.24	2.28	2.33	1.12	0.38	0.35	0.66
IN ‡	0.40	0.79	0.91	0.86	2.01	3.74	2.54	2.69	1.25	0.44	0.40	0.74

CAL YR 1970 TOTAL 74,412 MEAN 204 MAX 2,780 MIN 18 MEAN‡ 203 CFSM‡ 1.68 IN‡ 22.80
WTR YR 1971 TOTAL 54,566 MEAN 149 MAX 669 MIN 19 MEAN‡ 149 CFSM‡ 1.23 IN‡ 16.77

† Change in contents in Staffordville Reservoir, equivalent in cubic feet per second.

‡ Adjusted for change in reservoir contents.

01120000 Hop River near Columbia, Conn.

LOCATION.--Lat 41°43'39", long 72°18'10", Tolland County, on right bank 1,500 ft downstream from abandoned dam at village of Hop River, 2 miles north of Columbia, and 4.2 miles upstream from mouth.

DRAINAGE AREA.--76.2 sq mi.

PERIOD OF RECORD.--September 1932 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 249.25 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--39 years, 124 cfs (22.10 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,160 cfs Feb. 27, Sept. 12 (gage height, 7.69 ft); minimum 5.5 cfs Aug. 25 (gage height, 2.87 ft).

Period of record.--Maximum discharge, 6,650 cfs Sept. 21, 1938 (gage height, 16.25 ft from floodmarks), by computation of peak flow over dam a quarter of a mile upstream; minimum discharge, 0.9 cfs Sept 12, 1963; minimum height, 2.49 ft Aug. 3, 1936.

PEAK DISCHARGE.--(Base, 900 cfs):

DATE	TIME	G.HT	DISCHARGE
2-27	2230	7.69	1160
3-26	0930	7.05	915
9-12	1930	7.63	1140

REMARKS.--Records good, except for period of missing record, Nov. 27 to Feb. 26, which are fair. Occasional regulation at low flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	27	60	53	55	700	150	125	82	18	69	17
2	15	27	39	36	65	616	125	102	69	53	36	14
3	15	33	36	36	36	644	211	123	125	39	28	12
4	22	44	55	30	31	660	199	262	252	30	23	10
5	25	91	80	70	27	617	151	217	163	25	20	9.1
6	22	75	70	100	30	319	134	154	104	21	16	8.2
7	21	67	60	95	35	363	278	126	80	18	14	7.8
8	19	35	42	90	50	397	296	110	101	15	12	7.6
9	18	32	43	70	70	283	269	211	393	13	10	7.2
10	17	31	45	55	83	239	268	304	185	12	8.8	6.9
11	16	59	45	47	85	242	201	227	109	11	8.8	6.7
12	16	56	44	45	70	215	163	190	81	10	29	626
13	15	59	43	44	100	215	143	332	69	9.5	23	457
14	16	178	47	40	210	209	126	608	59	9.8	18	279
15	17	166	41	39	210	206	129	351	49	9.7	15	155
16	22	155	42	39	180	765	96	606	44	8.8	12	96
17	37	125	45	37	176	722	80	509	39	8.4	11	72
18	28	74	40	36	140	404	84	332	36	9.1	9.1	59
19	25	53	43	38	130	389	77	246	32	10	8.1	49
20	24	84	43	37	130	806	67	191	29	20	8.1	42
21	23	134	59	35	140	600	63	157	26	14	8.9	52
22	27	93	55	27	147	415	61	160	24	11	8.0	56
23	45	84	50	25	170	367	57	136	22	9.7	7.1	44
24	70	87	50	24	250	297	51	114	23	8.8	6.2	37
25	[illegible]	67	44	23	450	254	67	103	17	8.2	5.8	32
26	[illegible]	44	47	30	566	229	75	101	29	7.9	6.2	29
27	[illegible]	39	45	32	767	206	66	89	24	8.3	7.6	20
28	31	37	42	41	960	170	62	84	19	7.7	90	24
29	29	37	39	47	-------	165	166	76	18	7.6	64	23
30	27	33	37	75	-------	155	177	78	18	50	30	21
31	27	-------	35	65	-------	143	-------	90	-------	80	22	-------
TOTAL	807	[illegible]	1,510	1,453	5,067	11,612	3,977	6,461	2,321	572.5	554.7	2,285.3
MEAN	26.0	[illegible]	48.7	46.9	181	375	133	208	77.4	18.5	17.9	76.2
MAX	[illegible]	178	80	100	960	806	296	608	393	80	90	626
MIN	15	27	35	23	27	143	51	76	18	7.6	5.8	6.7
CFSM	.34	.91	.64	.62	2.38	4.92	1.75	2.73	1.02	.24	.23	1.00
IN.	.39	[illegible]	.74	.71	2.47	5.67	1.94	3.14	1.13	.28	.27	1.12

CAL YR 1970 TOTAL 45,151.2 MEAN 124 MAX 2,300 MIN 2.4 CFSM 1.63 IN 22.04
WTR YR 1971 TOTAL 38,681.5 MEAN 106 MAX 960 MIN 5.8 CFSM 1.39 IN 18.88

01120500 Safford Brook near Woodstock Valley, Conn.

LOCATION.--Lat 41°55'35", long 72°03'37", Windham County, on right bank at downstream side of bridge on Hopkins Road, 0.3 mile downstream from Bradford Brook, 0.3 mile upstream from mouth, 1.2 mile southeast of Woodstock Valley, and 2 miles southwest of West Woodstock.

DRAINAGE AREA.--4.08 sq mi.

PERIOD OF RECORD.--June 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 522.92 ft above mean sea level.

AVERAGE DISCHARGE.--21 years, 7.67 cfs (25.53 inches per year).

EXTREMES.--Current year: Maximum discharge, 129 cfs Feb. 14 (gage height, 3.96 ft); minimum about 0.10 cfs Aug. 25, 26 (gage height 1.19 ft).
Period of record: Maximum discharge, 1,000 cfs Aug. 19, 1955 (gage height, 6.68 ft). No flow Aug. 30, 31, Sept. 6-12, 1965.

PEAK DISCHARGE.--(Base, 150 cfs): No peak above base.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	.63	3.6	3.2	2.6	30	7.9	5.4	1.1	.60	1.6	.21
2	.34	.92	3.2	3.1	1.9	27	8.3	5.1	.89	1.5	.70	.16
3	.39	2.3	2.9	3.0	1.7	20	16	7.9	4.1	1.5	.45	.15
4	.71	2.0	16	3.4	1.7	23	12	9.9	5.9	.60	.39	.15
5	.51	7.6	11	4.0	2.0	18	8.8	6.8	1.8	.45	.31	.14
6	.44	3.9	7.6	10	7.8	13	7.7	5.5	.90	.40	.28	.14
7	.41	2.3	5.4	8.0	5.4	16	12	4.1	1.1	.35	.25	.15
8	.38	1.8	4.7	7.0	9.8	16	13	4.3	4.4	.30	.20	.16
9	.36	1.4	3.7	6.0	32	12	15	7.3	11	.29	.18	.18
10	.34	1.4	4.6	4.6	27	11	17	13	3.9	.27	.15	.16
11	.36	4.5	4.4	3.9	14	10	12	8.6	2.1	.25	.14	.15
12	.37	4.2	4.4	3.7	11	9.5	9.9	4.4	1.7	.24	1.2	.14
13	.36	7.2	4.5	5.5	30	9.5	8.3	10	1.6	.23	.60	5.6
14	.33	14	4.2	5.2	109	11	7.2	19	1.8	.22	.35	4.9
15	.67	11	4.8	5.1	57	20	6.3	8.6	1.5	.22	.25	3.1
16	1.3	9.2	4.1	5.0	29	62	5.7	16	1.3	.22	.19	1.4
17	.83	5.4	7.9	3.0	11	36	5.4	17	1.1	.22	.17	.87
18	.69	3.7	7.5	2.9	12	21	5.0	7.1	.96	.22	.14	.79
19	.58	3.6	5.8	2.9	11	18	4.7	3.8	.86	.30	.12	.70
20	.50	5.9	6.4	2.8	13	30	4.2	2.6	.76	.60	.20	.61
21	.45	15	5.6	2.8	12	23	4.0	2.1	.67	.45	.18	.96
22	.40	7.5	5.1	2.7	9.3	17	3.7	2.7	.64	.30	.15	.76
23	3.7	7.3	4.3	2.7	16	16	3.4	1.0	.60	.23	.13	.51
24	5.2	6.2	4.5	2.7	13	13	3.1	1.1	.59	.18	.12	.36
25	2.4	4.2	4.0	2.7	11	12	3.4	.80	.58	.18	.10	.22
26	1.6	3.4	3.9	3.5	12	11	3.3	.78	.60	.18	.10	.20
27	1.2	3.4	3.7	4.0	44	9.9	3.2	.90	.60	.26	.13	.47
28	.90	3.4	3.6	6.0	56	9.8	3.5	.50	.50	.26	1.2	.56
29	.86	3.5	3.5	7.0	-------	10	7.0	.45	.42	.20	.80	.58
30	.73	3.9	3.4	9.0	-------	10	7.3	.70	.40	.18	.45	.55
31	.67	-------	3.3	5.0	-------	8.0	-------	.96	-------	1.5	.29	-------
TOTAL	28.47	150.75	161.6	126.4	552.8	575.5	229.1	184.85	54.30	12.86	11.48	24.85
MEAN	.92	5.03	5.21	4.08	19.7	18.6	7.64	5.96	1.81	.41	.37	.83
MAX	5.2	15	16	10	109	62	17	19	11	1.5	1.6	5.6
MIN	.33	.63	2.9	2.7	1.7	8.0	3.1	.45	.40	.18	.10	.14
CFSM	.23	1.23	1.28	1.00	4.83	4.56	1.87	1.46	.44	.10	.09	.20
IN.	.26	1.37	1.47	1.15	5.04	5.25	2.09	1.69	.50	.12	.10	.23

CAL YR 1970 TOTAL 2,742.61 MEAN 7.51 MAX 271 MIN .12 CFSM 1.84 IN 25.01
WTR YR 1971 TOTAL 2,113.05 MEAN 5.79 MAX 109 MIN .10 CFSM 1.42 IN 19.27

01121000 Mount Hope River near Warrenville, Conn.

LOCATION.--Lat 41°50'37", long 72°10'10", Windham County, on left bank 250 ft downstream from Knowlton Brook, 700 feet upstream from bridge on State Highway 89, 1.75 miles south of Warrenville, and 3.25 miles southwest of Ashford.

DRAINAGE AREA.--27.8 sq mi.

PERIOD OF RECORD.--July 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 335.57 ft above mean sea level.

AVERAGE DISCHARGE.--31 years, 47.5 cfs (23.20 inches per year).

EXTREMES.--Current year: Maximum discharge, 610 cfs Sept. 12 (gage height, 5.78 ft); minimum 1.4 cfs Aug. 25 (gage height, 1.22 ft).
Period of record: Maximum discharge, 5,590 cfs Aug. 19, 1955 (gage height, 10.41 ft), from rating curve extended above 890 cfs on basis of contracted-opening measurement of peak flow; minimum, 0.15 cfs Aug. 29, 1957; minimum gage height, 0.99 ft Aug. 26-29, 1949.
Flood of September 1938 reached a stage of about 14.5 ft from floodmarks.

PEAK DISCHARGE.--(Base, 400 cfs):

DATE	TIME	G.HT	DISCHARGE
9-12	1300	5.78	610

REMARKS.--Records good. Occasional regulation from ponds upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	4.0	15	12	16	122	98	44	29	13	12	3.1
2	3.0	4.6	13	11	14	84	59	38	24	36	8.1	2.6
3	3.2	11	12	12	11	60	98	49	61	13	6.2	2.4
4	7.5	10	52	13	10	63	75	72	136	9.0	5.3	2.2
5	4.0	25	36	15	9.0	57	61	57	57	7.3	4.9	2.0
6	3.5	14	24	40	11	44	56	45	38	6.3	4.2	1.8
7	3.1	9.3	19	33	15	57	88	41	30	5.7	3.3	2.0
8	2.8	7.6	14	26	20	76	98	38	72	4.8	3.0	2.1
9	2.6	6.6	13	22	25	60	98	49	182	4.5	2.6	1.9
10	2.6	6.6	17	19	28	57	104	66	69	4.3	2.2	1.7
11	2.9	15	18	16	28	52	80	62	46	3.8	2.3	1.5
12	2.3	15	14	15	25	54	68	48	37	3.8	20	355
13	2.7	17	16	14	35	58	60	77	31	3.5	7.2	150
14	3.1	48	17	13	105	67	56	140	26	4.6	4.4	72
15	5.4	37	15	13	90	112	50	80	22	4.0	3.5	49
16	16	33	13	12	65	266	46	82	20	3.3	3.1	31
17	7.8	20	21	12	45	213	44	127	17	3.3	2.7	22
18	5.4	15	36	12	40	136	42	85	15	4.2	2.2	18
19	4.2	16	33	12	40	119	40	67	13	5.8	2.0	15
20	3.7	23	31	12	40	105	37	57	11	9.9	3.4	13
21	3.8	44	27	11	40	95	37	51	11	5.5	2.8	23
22	4.2	25	21	10	40	93	35	56	10	4.1	2.3	18
23	22	25	22	9.0	45	91	33	46	9.8	3.5	1.9	13
24	19	21	21	8.0	54	88	30	37	9.4	3.0	1.9	10
25	10	19	19	9.0	50	83	37	35	9.4	2.9	1.5	8.8
26	7.2	13	17	13	45	76	35	31	11	2.9	1.5	8.3
27	6.1	13	15	16	157	71	33	30	8.6	4.0	2.2	7.9
28	5.2	12	14	27	191	70	35	30	7.3	4.0	20	7.5
29	4.7	12	13	23	------	71	62	28	6.6	3.0	11	7.4
30	4.3	17	12	20	------	69	55	26	6.4	24	6.0	6.9
31	4.1	------	12	17	------	63	------	30	------	27	4.1	------
TOTAL	178.0	532.1	622	497.0	1,294.0	2,732	1,710	1,724	1,025.5	234.0	157.8	859.1
MEAN	5.74	17.7	20.1	16.0	46.2	88.1	57.0	55.6	34.2	7.55	5.09	28.6
MAX	22	48	52	40	191	266	104	140	182	36	20	355
MIN	2.3	4.0	12	8.0	9.0	44	30	26	6.4	2.9	1.5	1.5
CFSM	.21	.64	.72	.58	1.66	3.17	2.05	2.00	1.23	.27	.18	1.03
IN.	.24	.71	.83	.67	1.73	3.66	2.29	2.31	1.37	.31	.21	1.15

CAL YR 1970 TOTAL 18,783.8 MEAN 51.5 MAX 990 MIN 1.4 CFSM 1.85 IN 25.14
WTR YR 1971 TOTAL 11,565.5 MEAN 31.7 MAX 355 MIN 1.5 CFSM 1.14 IN 15.48

01122000 Natchaug River at Willimantic, Conn.

LOCATION.--Lat 41°43'14", long 72°11'52", Windham County, on right bank 200 ft downstream from Penn. Central Company railroad bridge, 500 ft upstream from bridge on U.S. Highway 6, 1 mile northeast of Willimantic, 1.7 miles upstream from mouth, and 3.6 miles downstream from Mansfield Hollow Dam.

DRAINAGE AREA.--169 sq mi.

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.31 ft above mean sea level, (levels by Corps of Engineers).

AVERAGE DISCHARGE(adjusted for storage).--41 years, 288 cfs (23.13 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,270 cfs Mar. 1 (gage height, 5.37 ft); minimum daily, 6.6 cfs July 29.

Period of record: Maximum discharge, 32,000 cfs Sept. 21, 1938 (gage height, 16.39 ft from floodmarks), by computation of peak flow over dam 2 miles upstream; minimum, about 0.3 cfs Aug. 6, 1937; minimum daily, 213 cfs Sept. 11, 12, 1943.

REMARKS.--Records excellent. City of Willimantic diverts an average of about 1,800,000 gallons of water a day for municipal supply from reservoir 2 miles upstream. Operation of water wheels at this location causes diurnal fluctuation at low flow. Flow regulated since March 1952 by Mansfield Hollow Reservoir (see p. 42).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	54	119	90	140	1,180	412	298	190	58	132	34
2	36	57	115	89	120	1,180	405	269	177	83	106	31
3	34	77	107	118	100	1,050	434	264	207	93	84	30
4	38	94	135	97	82	901	483	338	492	82	66	30
5	38	117	225	145	77	702	492	360	476	63	56	28
6	37	152	222	246	73	636	475	318	273	81	46	29
7	35	132	189	258	84	610	414	278	210	57	41	25
8	35	111	125	246	124	675	270	252	203	75	37	23
9	35	96	123	214	177	643	276	264	470	58	34	29
10	35	89	125	150	201	547	413	327	462	46	31	71
11	34	96	124	131	243	505	504	393	330	40	30	74
12	30	125	125	124	200	452	466	350	252	36	34	273
13	27	141	119	115	257	423	425	348	210	32	34	802
14	27	223	128	102	418	418	391	593	184	36	36	659
15	29	256	112	102	491	449	358	569	161	31	36	503
16	40	270	104	101	526	684	338	487	144	29	33	318
17	50	252	125	100	567	1,080	323	729	128	31	30	150
18	53	219	156	100	467	1,090	301	672	112	28	30	107
19	55	180	174	103	347	832	285	420	100	40	27	107
20	55	175	170	101	313	844	267	286	90	53	28	99
21	54	222	159	96	352	967	254	304	87	40	29	100
22	57	240	152	84	361	852	243	313	81	38	26	103
23	81	227	138	54	408	724	228	305	72	36	24	97
24	153	211	138	43	440	641	219	272	69	36	19	87
25	137	184	130	42	438	470	215	246	65	35	18	73
26	105	140	125	44	430	321	217	231	65	33	19	65
27	82	122	118	57	515	371	213	219	63	30	23	59
28	70	115	110	83	817	391	208	203	60	8.4	41	52
29	63	110	105	154	------	404	251	187	55	6.6	36	50
30	59	113	100	200	------	412	310	185	53	92	37	53
31	56	------	94	160	------	418	------	190	------	133	35	------
TOTAL	1,683	4,600	4,191	3,749	8,768	20,872	10,090	10,470	5,541	1,540.0	1,258	4,161
MEAN	54.3	153	135	121	313	673	336	338	185	49.7	40.6	139
MAX	153	270	225	258	817	1,180	504	729	492	133	132	802
MIN	27	54	94	42	73	321	208	185	53	6.6	18	23
(†)	+0.3	+1.5	-0.8	+5.0	+35.2	-22.8	+29.1	-3.1	-7.7	+3.7	-5.2	+1.5
MEAN‡	54.6	154	134	126	348	650	365	335	177	53.4	35.4	140
CFSM‡	0.32	0.91	0.79	0.76	2.06	3.85	2.16	1.98	1.05	0.32	0.21	0.83
IN‡	0.37	1.02	0.91	0.86	2.14	4.44	2.41	2.28	1.17	0.37	0.24	0.93

CAL YR 1970 TOTAL 107,803.0 MEAN 295 MAX 2,280 MIN 12 MEAN‡ 292 CFSM‡ 1.73 In‡ 23.48
WTR YR 1971 TOTAL 76,923.0 MEAN 211 MAX 1,180 MIN 6.6 MEAN‡ 214 CFSM‡ 1.27 IN‡ 17.28

†Change in contents in Mansfield Hollow Reservoir, equivalent in cubic feet per second; furnished by Corps of Engineers.

‡Adjusted for change in contents.

01122500 Shetucket River near Willimantic, Conn.

LOCATION.--Lat 41°42'01", long 72°10'57", Windham County, on right bank at downstream side of Bingham Bridge on Plains Road, 500 ft upstream from Pennsylvania Central Company railroad bridge, 500 ft downstream from Potash Brook, 1.3 miles downstream from confluence of Willimantic and Natchaug Rivers, 1.5 miles southeast of Willimantic, and 17 miles upstream from mouth.

DRAINAGE AREA.--401 sq mi.

PERIOD OF RECORD.--April 1904 to December 1905, October 1919 to September 1921, September 1928 to current year. Published as "at South Windham" October 1919 to September 1921, September 1928 to September 1933. Monthly discharge only for some periods, published in WSP 1301.

GAGE.--Water-stage recorder. Datum of gage is 131.40 ft above mean sea level, (levels by Corps of Engineers). April 4, 1904 to Dec. 31, 1905, chain gage at same site and about the same datum. October 1919 to September 30, 1921, and Sept. 1, 1928 to Sept. 30, 1933, water-stage recorder at site 1.5 miles downstream at different datum.

AVERAGE DISCHARGE(adjusted for storage).--46 years, 676 cfs (22.85 inches per year).

EXTREMES.--Current year: Maximum discharge 2,710 cfs Mar. 1 (gage height, 6.19 ft); minimum 59 cfs July 6, minimum daily discharge 66 cfs Aug. 25.

Period of record: Maximum discharge, 52,200 cfs Sept. 21, 1938 (gage height, 27.6 ft. from floodmarks), from rating curve extended above 11,000 cfs on basis of computation of peak flow over Scotland and Baltic dams, 5 and 9 miles downstream respectively, adjusted for flow from intervening area; minimum 15 cfs Aug. 29, 1949 (gage height, 1.34 ft); minimum daily 19 cfs Aug. 22 and Oct. 24, 1949.

REMARKS.--Records excellent. Flow regulated by mills and flood detention reservoirs on Willimantic River, on Natchaug River by pumping for municipal supply of city of Willimantic, and by Mansfield Hollow Reservoir (see p. 42). Records of chemical quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	140	265	215	376	2,610	883	752	506	169	340	121
2	82	133	251	220	293	2,380	865	660	455	306	274	105
3	77	172	237	237	243	2,050	1,050	669	547	299	221	97
4	112	194	324	243	202	1,880	1,170	971	1,250	224	184	92
5	134	266	535	411	174	1,660	1,060	998	1,070	185	166	86
6	119	315	474	690	198	1,430	974	811	680	98	149	80
7	110	263	385	640	225	1,360	1,040	711	545	111	130	75
8	103	221	274	582	321	1,590	1,040	650	497	157	111	70
9	97	197	285	440	460	1,370	981	770	1,210	134	99	80
10	91	186	294	333	522	1,160	1,110	1,040	997	118	91	127
11	86	206	292	310	559	1,110	1,180	1,050	710	106	96	127
12	82	238	285	299	465	1,010	1,050	869	554	101	167	1,040
13	81	268	281	289	598	985	944	950	450	95	157	1,860
14	80	551	313	254	1,370	944	864	1,880	398	107	128	1,250
15	83	606	276	259	1,360	1,030	790	1,530	356	103	111	975
16	123	614	253	250	1,170	1,850	736	1,290	325	91	99	649
17	170	513	303	241	1,120	2,450	708	1,900	301	93	91	385
18	151	417	406	236	922	2,180	661	1,570	273	89	92	292
19	136	363	414	250	828	1,770	638	1,100	248	119	87	259
20	125	373	419	246	842	2,150	604	836	219	181	90	232
21	120	515	386	226	942	2,180	569	800	209	141	94	259
22	127	495	350	180	874	1,810	546	814	210	124	84	291
23	216	438	325	163	1,120	1,580	521	764	190	112	77	253
24	359	433	326	159	1,290	1,410	494	677	184	107	67	222
25	292	367	325	152	1,090	1,140	499	623	197	99	66	193
26	226	293	306	197	1,030	901	538	601	208	91	70	169
27	192	259	288	252	1,610	925	526	567	177	94	95	156
28	169	247	269	268	2,500	906	505	526	159	80	201	148
29	156	238	250	311	------	921	698	482	150	71	228	148
30	147	252	237	499	------	940	842	467	151	268	157	145
31	140	------	233	416	------	924	------	514	------	474	133	------
TOTAL	4,201	9,773	9,861	9,468	22,704	46,606	24,086	27,842	13,426	4,547	4,155	9,986
MEAN	138	326	318	305	811	1,503	803	898	448	147	134	333
MAX	359	614	535	690	2,500	2,610	1,180	1,900	1,250	474	340	1,860
MIN	77	133	233	152	174	901	494	467	150	71	66	70
(†)	+0.3	+1.50	-0.8	+5.0	+36.2	-22.8	+29.1	-3.1	-7.7	+3.7	-5.2	+1.5
MEAN‡	138	328	317	310	846	1480	832	895	440	151	129	334
CFSM‡	0.34	0.82	0.79	0.77	2.11	3.69	2.07	2.23	1.10	0.38	0.32	0.83
IN‡	0.39	0.92	0.91	0.89	2.20	4.25	2.31	2.57	1.23	0.44	0.37	0.93

CAL YR 1970 TOTAL 256,704 MEAN 703 MAX 6,250 MIN 45 MEAN‡ 700 CFSM‡ 1.76 IN‡ 23.73
WTR YR 1971 TOTAL 186,735 MEAN 512 MAX 2,610 MIN 66 MEAN‡ 515 CFSM‡ 1.28 IN‡ 17.41

†Change in contents in Mansfield Hollow Reservoir, equivalent in cubic feet per second, furnished by Corps of Engineers.

‡Adjusted for change in contents.

01123000 Little River near Hanover, Conn.

LOCATION.--Lat 41°40'18", long 72°03'10", Windham County, on left bank 800 ft upstream from bridge on Hannance Road, 0.7 mile downstream from Peck Brook, 2.3 miles northeast of Hanover, New London County, and 6.5 miles upstream from mouth.

DRAINAGE AREA.--29.1 sq mi.

PERIOD OF RECORD.--July 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 221,19 ft above mean sea level.

AVERAGE DISCHARGE.--20 years, 52.9 cfs (24.69 inches per year).

EXTREMES.--Current year: Maximum discharge, 430 cfs Feb. 14 (gage height, 3.90 ft); minimum 4.8 cfs Oct. 12, 13 (gage height, 1.09 ft).

Period of record: Maximum discharge, 1,710 cfs Apr. 3 (gage height, 7.02 ft); from rating curve extended above 820 cfs by logarithmic plotting; minimum, 3.2cfs Aug. 16, 1959 (gage height, 1.00 ft), caused by a minor and temporary regulation from an unknown source upstream.

PEAK DISCHARGE.--(Base, 400 cfs):

DATE	TIME	G.HT	DISCHARGE
2-14	0830	3.90	430

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	7.3	24	19	20	194	54	45	26	13	25	8.4
2	5.6	8.8	23	19	18	140	54	40	22	25	18	7.9
3	6.3	29	22	20	17	100	87	53	33	17	14	7.4
4	8.0	20	27	20	16	100	79	70	104	13	12	6.8
5	7.3	24	34	30	16	95	65	54	53	12	12	9.5
6	6.4	21	28	65	22	80	59	43	35	11	11	10
7	6.0	15	25	47	23	90	98	37	28	11	9.4	8.4
8	5.8	13	28	40	32	130	122	34	26	10	8.8	7.9
9	5.7	11	20	34	40	93	110	44	134	9.9	8.3	7.5
10	5.4	11	23	28	45	87	100	64	71	10	7.8	7.3
11	5.2	28	24	26	45	88	86	76	43	9.9	7.7	7.0
12	5.2	34	24	24	40	82	75	49	32	9.7	11	19
13	5.2	28	25	23	70	84	68	65	30	9.3	9.5	40
14	5.4	74	25	22	160	83	63	94	28	10	8.3	46
15	5.9	53	24	21	140	99	58	55	24	10	7.7	35
16	9.9	51	21	20	100	185	54	79	22	9.4	7.4	24
17	9.7	34	28	20	80	172	52	128	20	9.8	7.3	19
18	7.9	26	42	20	64	123	48	73	18	13	7.0	14
19	7.6	24	38	20	64	106	46	53	16	12	6.9	12
20	7.1	28	36	19	64	223	44	43	16	22	10	10
21	6.8	49	40	18	64	157	42	37	15	15	10	15
22	6.7	39	35	17	64	117	40	45	15	12	8.5	15
23	13	33	28	16	80	101	37	39	15	11	7.7	12
24	21	32	29	17	85	90	36	32	15	10	7.2	10
25	13	26	36	20	80	79	35	30	15	9.9	7.0	9.3
26	10	22	28	28	75	73	35	27	15	9.9	6.9	8.5
27	8.9	22	25	54	212	70	33	25	15	10	8.3	8.2
28	8.1	21	23	54	258	66	34	24	14	9.8	18	8.2
29	7.7	21	21	25	------	65	56	24	11	9.0	16	8.0
30	7.3	23	20	22	------	62	56	24	11	21	11	7.7
31	7.2	------	20	23	------	58	------	28	------	50	9.2	------
TOTAL	241.0	828.1	846	831	1,994	3,292	1,826	1,534	922	414.6	318.9	409.0
MEAN	7.77	27.6	27.3	26.8	71.2	106	60.9	49.5	30.7	13.4	10.3	13.6
MAX	21	74	42	65	258	223	122	128	134	50	25	46
MIN	5.2	7.3	20	16	16	58	33	24	11	9.0	6.9	6.8
CFSM	.27	.95	.94	.92	2.45	3.64	2.09	1.70	1.06	.46	.35	.47
IN.	.31	1.06	1.08	1.06	2.55	4.21	2.33	1.96	1.18	.53	.41	.52

CAL YR 1970 TOTAL 18,612.4 MEAN 51.0 MAX 1,050 MIN 5.2 CFSM 1.75 IN 23.79
WTR YR 1971 TOTAL 13,456.6 MEAN 36.9 MAX 258 MIN 5.2 CFSM 1.27 IN 17.20

01124000 Quinebaug River at Quinebaug, Conn.

LOCATION.--Lat 42°01'20", long 71°57'22", Windham County, on right bank at Quinebaug, 500 ft upstream from bridge on State Highway 157, 0.25 mile downstream from Massachusetts-Connecticut State Line, 7.8 miles upstream from French River, and at mile 46.

DRAINAGE AREA.--157 sq mi.

PERIOD OF RECORD.--September 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is 341.52 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--40 years, 188 cfs (22.58 inches per year).

EXTREMES.--Current year: Maximum discharge, 893 cfs Mar. 16 (gage height, 4.11 ft); minimum 10 cfs July 29,30 (gage height, 2.10 ft).

Period of record: Maximum discharge, 49,300 cfs Aug. 19, 1955 (gage height, 18.96 ft from floodmarks), from rating curve extended above 5,100 cfs on basis of slope-area measurement of peak flow; minimum about 1 cfs Sept. 9, 1943; July 12, 1949; Sept. 17, 18, 1950; July 9, 1951; Sept. 4 and Oct. 29, 1956; minimum daily about 1 cfs Sept. 4, 1956; minimum gage height, 1.74 ft Aug, 20, 1940.

REMARKS.--Records good. Flow regulated by East Brimfield and Westville Reservoirs, (see p. 42), and by smaller reservoirs upstream. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	41	92	90	100	533	470	309	207	53	39	45
2	33	43	92	125	90	531	444	294	185	61	34	32
3	33	51	121	178	70	479	637	330	210	52	30	27
4	43	48	210	164	65	462	693	404	266	48	34	23
5	41	68	241	151	60	428	681	389	249	43	85	22
6	47	60	224	164	75	396	663	367	229	40	86	21
7	47	55	187	164	100	399	703	330	199	51	84	21
8	48	50	148	162	111	410	683	295	189	42	80	21
9	46	48	154	198	151	373	653	322	195	34	67	20
10	42	44	160	157	151	353	656	418	165	28	37	20
11	41	60	161	131	137	343	646	399	150	24	30	19
12	39	74	160	115	130	326	605	367	130	23	42	323
13	40	76	154	100	172	318	566	482	111	20	42	262
14	93	125	133	90	309	323	516	690	99	23	39	312
15	147	146	101	85	276	386	458	627	87	19	31	285
16	194	152	94	80	264	701	414	633	76	22	26	220
17	166	139	87	80	271	775	393	687	68	20	23	173
18	129	119	106	80	260	675	362	605	64	23	20	138
19	104	110	121	80	263	673	337	513	57	24	18	106
20	106	106	123	80	291	780	315	445	51	25	22	75
21	91	150	145	70	292	747	297	393	47	14	21	73
22	81	132	114	65	277	690	283	384	45	11	19	63
23	93	130	99	60	322	663	264	347	44	32	19	55
24	71	191	102	55	314	616	243	306	43	21	17	47
25	63	189	134	60	295	562	249	284	39	15	16	41
26	62	182	110	90	295	512	245	272	45	15	15	35
27	59	217	100	115	387	473	242	253	42	17	20	32
28	52	170	90	161	478	455	244	241	41	14	59	30
29	68	96	80	179	------	465	297	223	39	11	60	28
30	48	96	80	141	------	491	316	208	38	29	61	27
31	43	------	80	110	------	505	------	208	------	50	54	------
TOTAL	2,205	3,167	4,003	3,580	6,006	15,843	13,575	12,025	3,410	904	1,230	2,596
MEAN	71.1	106	129	115	215	511	453	388	114	29.2	39.7	86.5
MAX	194	217	241	198	478	780	703	690	266	61	86	323
MIN	33	41	80	55	60	318	242	208	38	11	15	19
(†)	+0.6	-9.6	-19.8	+0.6	+10.2	+20.2	+2.7	-0.7	-2.9	+1.8	-1.2	-1.3
MEAN‡	71.7	96.4	109	116	225	231	456	387	111	31.0	38.5	85.2
CFSM‡	0.46	0.61	0.69	0.74	1.43	1.47	2.90	2.47	0.71	0.20	0.25	0.54
IN‡	0.53	0.68	0.80	0.85	1.49	1.70	3.24	2.85	0.79	0.23	0.29	0.60

CAL YR 1970 TOTAL 93,576 MEAN 256 MAX 1,540 MIN 20 MEAN‡ 253 CFSM‡ 1.61 IN‡ 21.90
WTR YR 1971 TOTAL 68,544 MEAN 188 MAX 780 MIN 11 MEAN‡ 188 CFSM‡ 1.20 IN‡ 14.05

†Change in contents in East Brimfield and Westville Reservoirs, equivalent in cubic feet per second; furnished by the Corps of Engineers.

‡Adjusted for change in contents.

01124151 Quinebaug River at West Thompson, Conn.

LOCATION.--Lat 41°56'36", long 71°54'03", Windham County, on left bank, near downstream end of tailrace, up stream from concrete V-notch weir at flood-control dam at West Thompson.

DRAINAGE AREA.--174 sq mi.

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 291.00 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge 938 cfs Mar. 17 (gage height, 4.64 ft); minimum 16 cfs Aug. 27 (gage height, 1.71 ft); minimum daily, 16 cfs Aug 25-27.

Period of record: Maximum discharge 2,500 cfs Mar. 28, 1968 (gage height, 6.30 ft); minimum daily, 12 cfs Aug. 28, 1970. No flow Aug. 26, Sept. 17, 1970 (regulation).

Flood of Aug. 19, 1955, reached a discharge of about 48,200 cfs by comparison of peak flow at Quinebaug and Putnam (gage height, 20.1 ft from floodmarks).

REMARKS.--Records good. Flow regulated by East Brimfield, Westville, and West Thompson Reservoirs (see p. 42), and by smaller reservoirs upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	59	130	114	162	565	490	314	221	65	46	46
2	34	57	120	118	144	590	450	293	209	66	44	39
3	32	61	124	118	130	535	490	302	203	67	40	32
4	36	63	180	120	120	502	510	370	251	61	37	28
5	39	74	239	150	116	478	535	390	257	55	43	28
6	39	83	245	198	122	455	560	370	245	47	62	30
7	41	82	230	190	138	442	585	341	227	49	76	21
8	41	76	188	175	148	462	610	314	203	47	70	19
9	43	70	180	162	175	430	635	317	230	44	69	16
10	43	66	178	152	192	406	660	386	215	39	56	16
11	43	73	180	190	185	402	702	414	182	33	43	16
12	42	90	182	152	178	378	684	378	165	27	45	17
13	40	100	185	190	188	362	635	410	142	21	44	179
14	46	126	175	146	275	362	605	605	120	24	42	290
15	103	158	150	140	362	386	560	600	120	25	39	347
16	150	188	120	146	347	630	492	555	110	24	33	260
17	172	182	116	130	308	830	354	635	98	24	30	141
18	155	162	128	120	308	810	358	585	79	26	25	122
19	134	146	140	118	314	708	332	502	73	27	22	122
20	120	144	150	110	335	810	314	446	67	32	21	110
21	114	160	150	93	350	802	299	406	61	30	21	77
22	103	170	162	77	326	744	284	386	56	24	20	59
23	110	168	140	83	350	690	269	354	52	20	18	59
24	134	178	130	87	370	635	254	323	51	27	18	85
25	110	206	122	90	350	565	251	290	49	27	16	95
26	93	200	118	103	341	530	251	281	50	23	16	63
27	85	206	108	136	406	490	251	263	48	22	16	51
28	77	230	102	140	510	470	248	248	48	21	27	46
29	76	162	105	130	------	466	269	239	44	18	46	41
30	74	136	110	146	------	478	305	230	44	20	47	40
31	64	------	112	173	------	490	------	218	------	39	43	------
TOTAL	2,428	3,876	4,699	4,122	7,250	16,903	13,242	11,765	3,920	1,054	1,175	2,495
MEAN	78.3	129	152	133	259	545	441	380	131	34.0	37.9	83.2
MAX	172	230	245	198	510	830	702	635	257	67	76	347
MIN	32	57	102	77	116	362	248	218	44	18	16	16
(*)	+1.8	-8.3	+20.2	+2.2	+16.7	+17.4	+2.3	-2.3	-7.3	+1.8	-0.8	-2.1
MEAN@	80.1	121	172	135	276	562	443	378	124	35.8	37.1	81.1
CFSM@	0.46	0.70	0.99	0.78	1.59	3.23	2.55	2.17	0.71	0.21	0.21	0.47
IN@	0.53	0.78	1.14	0.90	1.66	3.72	2.84	2.50	0.79	0.24	0.24	0.52

CAL YR 1970 TOTAL 96,984.0 MEAN 266 MAX 1,700 MIN 1.0 MEAN@ 262 CFSM@ 1.51 IN@ 21.05
WTR YR 1971 TOTAL 72,919.0 MEAN 200 MAX 830 MIN 16 MEAN@ 200 CFSM@ 1.15 IN@ 15.86

Change in contents in East Brimfield, Westville, and West Thompson Reservoirs, equivalent in cubic feet per second; furnished by the Corps of Engineers.

@Adjusted for change in contents.

01125490 Little River at Harrisville, Conn.

LOCATION.--Lat 41°55'39", long 71°55'50", Windham County, at center of span on downstream side of bridge on Tripp Road, half a mile east of Harrisville, and 1.25 miles northwest of Putnam.

DRAINAGE AREA.--35.5 sq mi.

PERIOD OF RECORD.--August 1961 to September 30, 1971 (discontinued).

GAGE.--Non-recording gage, and crest-stage indicator; gage read once daily. Datum of gage is 254.95 ft above mean sea level.

AVERAGE DISCHARGE (adjusted for storage and diversion).--10 years, 50.3 cfs (19.2 inches per year).

EXTREMES.--Current year: Maximum discharge 351 cfs Mar. 17 (gage height, 4.33 ft); minimum observed 0.45 cfs Aug. 26, 27 (gage height, 1.63 ft).

Period of record: Maximum discharge, 1,240 cfs Feb. 3, 1970 (gage height, 6.91 ft); minimum observed 0.3 cfs Sept. 22, 24, 1964.

Flood of Mar. 19, 1936, reached a discharge of 2,520 cfs by computation of peak flow over dam about half a mile upstream.

PEAK DISCHARGE.--(base, 350 cfs):

DATE	TIME	G.HT	DISCHARGE
3-1	0100	4.31	347
3-17	1130	4.33	351

REMARKS.--Records good. Diversion above station for municipal supply of city of Putnam and occasional regulation by Wappaquasset Pond on Mill Brook.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	10	27	24	42	331	87	56	34	4.3	12	2.9
2	5.2	8.0	27	23	34	299	81	55	30	8.8	9.2	1.4
3	4.9	15	25	23	28	247	85	49	28	9.2	6.4	1.6
4	5.2	18	32	23	25	205	104	63	40	8.8	5.2	1.6
5	6.0	21	52	30	23	198	102	67	47	6.8	4.3	2.3
6	6.8	23	56	55	33	177	91	63	41	6.4	3.4	1.9
7	6.4	21	48	69	34	150	94	57	33	4.9	2.3	1.4
8	6.0	21	40	60	34	156	107	49	27	4.0	4.0	.75
9	5.6	15	34	49	38	143	119	52	50	2.9	2.1	.70
10	5.2	14	31	41	46	125	118	78	56	2.7	.80	.70
11	5.6	20	31	38	50	118	119	70	45	3.1	.65	.55
12	6.0	30	30	34	47	102	108	61	36	3.1	4.0	2.3
13	6.0	28	30	31	67	100	97	106	29	2.5	4.9	32
14	6.4	42	34	29	200	98	85	130	23	4.0	3.7	32
15	6.8	52	31	29	198	119	74	126	22	4.6	4.6	34
16	9.2	58	29	28	193	131	66	100	20	3.1	2.9	28
17	9.6	55	30	28	161	333	64	124	17	2.5	1.9	21
18	12	44	34	29	108	271	60	128	13	5.2	1.2	17
19	9.6	36	38	28	97	202	57	102	11	3.1	.70	12
20	8.8	36	37	30	101	233	51	83	11	6.8	1.4	9.6
21	8.4	46	38	32	112	267	47	71	9.2	4.9	1.0	8.0
22	8.8	57	38	30	108	218	45	65	8.0	3.7	2.7	8.8
23	10	50	36	25	104	177	43	63	6.8	2.5	1.1	6.8
24	34	47	35	23	132	152	40	52	6.4	1.7	.59	4.9
25	38	42	34	23	123	132	43	45	7.2	2.7	.55	4.6
26	29	38	34	23	112	120	41	39	9.2	2.9	.45	4.0
27	20	34	31	34	149	110	39	36	10	1.7	.45	6.0
28	16	29	29	65	283	102	40	34	8.4	1.9	11	3.1
29	12	29	28	45	-------	97	43	31	6.4	1.2	6.8	2.7
30	10	28	27	41	-------	95	57	29	4.9	2.7	5.6	3.4
31	9.6	-------	25	37	-------	90	-------	34	-------	12	3.1	-------
TOTAL	332.7	967.0	1,051	1,079	2,682	5,298	2,207	2,118	689.5	134.7	108.99	256.00
MEAN	10.7	32.2	33.9	34.9	95.8	171	73.6	68.3	23.0	4.35	3.52	8.53
MAX	38	58	56	69	283	333	119	130	56	12	12	34
MIN	4.9	8.0	25	23	23	90	39	29	4.9	1.2	.45	.55
(†)	+2.1	+3.2	+3.0	+2.2	+2.7	+2.4	+2.5	+2.2	+3.0	+2.03	+2.62	2.83
MEAN‡	12.8	35.4	36.9	37.0	98.5	173	76.1	70.5	26.0	6.38	6.14	11.1
CFSM‡	.36	.96	1.00	1.00	2.68	4.70	2.07	1.92	.71	.17	.17	.30
IN ‡	.42	1.07	1.15	1.15	2.79	5.42	2.31	2.21	.70	.20	.20	.34

CAL YR 1970 TOTAL 22,925.30 MEAN 62.8 MAX 1,140 MIN .90 MEAN‡ 65.2 CFSM‡ 1.84 IN‡ 24.98
WTR YR 1971 TOTAL 16,923.89 MEAN 46.4 MAX 333 MIN .45 MEAN‡ 49.0 CFSM‡ 1.38 IN‡ 18.73

†Change in contents in Wappaquasset Pond and diversion for municipal supply of city of Putnam, equivalent in cubic feet per second; diversion figures furnished by Water Department, City of Putnam.

‡Adjusted for diversion and change in contents.

01126000 Fivemile River at Killingly, Conn.

LOCATION.--Lat 41°50'14, long 71°53'09", Windham County, at upstream left abutment of Penn. Central Company railroad bridge, 0.5 mile upstream from Whetstone Brook, 0.6 mile south of Killingly, and 3.2 miles upstream from mouth.

DRAINAGE AREA.--58.2 sq mi.

PERIOD OF RECORD.--October 1937 to September 1971 (discontinued). Monthly discharge only for October 1937, published in WSP 1301.

GAGE.--Water-stage recorder. Datum of gage is 222.22 ft above mean sea level.

AVERAGE DISCHARGE.--34 years, 99.3 cfs (23.17 inches per year).

EXTREMES.--Current year: Maximum discharge, 380 cfs Mar. 20-21 (gage height, 2.98 ft); minimum 4.3 cfs Aug. 27, Sept. 11, 12 (gage height, 0.69 ft); minimum daily 4.3 cfs Sept. 11

Period of record: Maximum discharge 2,480 cfs July 24, 1938 (gage height, 8.52 ft); minimum 2.5 cfs June 15, 1966 (gage height, 0.54 ft).

Flood of March 12, 1936 reached a discharge of 1,820 cfs by computation of flow over dam at Danielson (drainage area 77.6 sq mi).

REMARKS.--Records good except for period Oct 7 to Nov. 22 and Jan. 14 to Feb. 13, which are fair. Flow regulated by mills and reservoirs upstream. Occasional regulation by Quaddick Reservior (useable capacity 128,000,000 cu ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	15	42	43	30	281	151	117	79	22	36	7.4
2	7.9	20	41	46	27	272	139	111	72	29	29	6.4
3	7.7	84	39	61	22	253	152	120	83	27	24	5.8
4	11	80	55	55	18	271	133	143	104	23	22	5.5
5	13	70	66	86	25	260	110	136	95	21	21	5.5
6	12	60	62	107	40	217	109	122	81	19	18	5.5
7	10	45	57	140	48	205	149	111	70	17	16	5.8
8	11	40	51	150	64	221	176	102	71	15	15	6.7
9	11	35	47	95	81	199	172	107	115	15	14	7.1
10	11	30	51	66	179	202	181	128	109	15	14	5.5
11	11	32	51	63	119	202	182	140	90	12	13	4.3
12	11	36	53	60	74	183	170	135	75	12	17	13
13	10	50	56	80	101	169	156	150	66	10	16	24
14	10	110	56	52	207	163	144	195	61	11	14	28
15	10	110	50	50	219	168	135	206	56	11	15	55
16	12	95	46	45	150	235	126	203	52	11	16	49
17	12	80	59	45	100	316	119	234	48	11	14	45
18	11	60	78	40	94	295	112	231	45	12	15	41
19	11	55	73	29	90	266	109	184	39	14	12	29
20	10	55	70	27	130	361	103	155	36	21	13	22
21	10	90	67	25	141	359	99	138	33	22	13	25
22	11	75	64	26	133	307	96	134	31	22	10	22
23	25	67	62	27	150	268	69	128	31	20	8.2	17
24	43	58	62	29	160	237	53	115	29	17	6.4	14
25	41	52	68	30	166	210	58	104	28	15	6.2	11
26	30	46	76	40	159	194	68	98	28	17	5.2	10
27	23	43	94	100	185	188	74	92	27	19	7.0	10
28	20	42	60	56	240	178	78	85	26	16	15	9.4
29	18	41	47	55	------	173	96	79	24	13	16	8.9
30	17	43	43	50	------	167	110	78	22	27	12	9.0
31	16	------	42	40	------	160	------	80	------	46	9.2	------
TOTAL	464.7	1,719	1,788	1,826	3,152	7,180	3,629	4,161	1,726	562	462.2	507.8
MEAN	15.0	57.3	57.7	58.9	113	232	121	134	57.5	18.1	14.9	16.9
MAX	43	110	94	150	240	361	182	234	115	46	36	55
MIN	7.7	15	39	25	18	160	53	78	22	10	5.2	4.3
CFSM	.26	.98	.99	1.01	1.94	3.99	2.08	2.30	.99	.31	.26	.29
IN.	.30	1.10	1.14	1.17	2.01	4.59	2.32	2.66	1.10	.36	.30	.32

CAL YR 1970 TOTAL 33,478.1 MEAN 91.7 MAX 850 MIN 5.5 CFSM 1.58 IN 21.40
WTR YR 1971 TOTAL 27,177.7 MEAN 74.5 MAX 361 MIN 4.3 CFSM 1.28 IN 17.37

01126500 Moosup River at Moosup, Conn.

LOCATION.--Lat 41°42'37", long 71°53'11", Windham County, on right bank behind Kaman Aircraft Corp. plant at Moosup, 100 ft upstream from Penn. Central Company railroad bridge, 0.5 mile downstream from Ekonk Brook, and 3.8 miles upstream from mouth.

DRAINAGE AREA.--83.5 sq mi.

PERIOD OF RECORD.--October 1932 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 196.64 ft above mean sea level.

AVERAGE DISCHARGE.--39 years, 156 cfs (25.37 inches per year).

EXTREMES.--Current year: Maximum discharge, 750 cfs Feb. 14 (gage height, 3.60 ft); minimum 8.9 cfs Aug. 17-20 (gage height, 0.97 ft).

Period of record.--Maximum discharge, 4,260 cfs Mar. 12, 1936 (gage height, 8.35 ft), from short-duration rise of unknown origin; maximum natural discharge, 4,100 cfs July 24, 1938 (gage height, 8.20 ft), from rating curve extended above 1,500 cfs on basis of computation of flow over dam a quarter of a mile upstream at gage heights, 6.9 and 8.2 ft; minimum 0.1 cfs Feb. 3, 1934; minimum gage height, 0.36 ft. Oct. 17, 1947; minimum daily discharge 1.1 cfs Aug. 24, 1949.

PEAK DISCHARGE.--(Base, 800 cfs): No peak above base.

REMARKS.--Records good. Flow regulated by mills upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	24	74	65	47	561	134	141	106	31	39	13
2	15	31	70	70	40	460	130	126	92	43	31	13
3	16	133	68	70	33	384	215	199	101	39	23	13
4	23	132	87	111	25	420	225	272	132	33	22	16
5	19	119	98	184	35	425	197	246	114	30	22	13
6	17	100	91	234	60	382	173	197	93	29	19	12
7	16	80	82	199	70	396	292	165	83	26	17	11
8	17	64	68	140	262	438	373	150	79	24	16	11
9	17	53	69	120	468	369	365	185	194	23	15	11
10	17	47	71	110	378	307	322	241	227	22	14	12
11	17	52	76	101	200	286	279	246	170	21	13	12
12	17	58	80	92	120	265	236	209	115	20	15	26
13	16	72	77	117	357	260	200	197	92	17	13	27
14	16	183	74	110	707	245	177	209	79	21	12	30
15	16	174	68	90	544	264	157	185	69	18	12	31
16	20	156	65	70	250	392	145	242	64	17	11	29
17	19	120	103	70	150	454	137	384	58	17	10	24
18	17	98	164	60	110	379	145	373	52	18	9.8	21
19	17	87	153	45	130	304	156	310	47	21	9.2	19
20	16	86	157	40	210	460	139	226	45	35	10	17
21	16	187	141	37	326	446	126	182	43	29	13	23
22	17	166	119	39	287	352	117	186	41	27	11	21
23	39	142	108	42	355	286	108	175	39	22	11	17
24	68	117	108	43	359	240	98	151	38	20	9.8	17
25	64	97	123	44	305	203	97	134	36	20	9.4	15
26	47	87	107	105	263	183	97	124	37	22	9.4	15
27	36	84	101	131	430	174	93	116	33	22	16	18
28	32	76	90	100	588	160	95	109	31	17	26	17
29	29	73	85	70	------	150	137	106	29	18	19	15
30	28	75	80	65	------	149	154	104	29	28	16	14
31	25	------	70	60	------	140	------	109	------	41	15	------
TOTAL	745	2,968	2,927	2,836	7,109	9,960	5,319	5,999	2,366	771	406.6	533
MEAN	24.0	98.9	94.4	91.4	254	321	177	196	78.9	24.9	16.0	17.8
MAX	68	187	164	234	707	561	373	384	227	43	39	31
MIN	15	24	65	37	25	140	93	104	29	17	9.2	11
CFSM	.29	1.18	1.13	1.09	3.04	3.84	2.12	2.32	.94	.30	.19	.21
IN.	.33	1.32	1.30	1.26	3.17	4.43	2.37	2.67	1.05	.34	.22	.24

CAL YR 1970 TOTAL 52,879.0 MEAN 145 MAX 1,850 MIN 14 CFSM 1.74 IN 23.56
WTR YR 1971 TOTAL 42,007.6 MEAN 115 MAX 707 MIN 9.2 CFSM 1.38 IN 18.71

01126600 Blackwell Brook near Brooklyn, Conn.

LOCATION.--Lat 41°45'55", long 71°57'25", Windham County, on left bank 75 ft upstream from bridge on State Highway 169, 1.5 miles south of Brooklyn.

DRAINAGE AREA.--16.9 sq mi.

PERIOD OF RECORD.--Water year 1961 (occasional low-flow measurements), water years 1962-63 (occasional low-flow measurements and annual maximum). October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.03 ft above mean sea level. Prior to October 30, 1963, crest-stage indicator at bridge 75 ft downstream at same datum.

AVERAGE DISCHARGE.--8 years, 25.1 cfs (20.18 inches per year).

EXTREMES.--Current year: Maximum discharge, 191 cfs Feb. 27, 28 (gage height, 3.41 ft); minimum 1.2 cfs Sept. 5, 8, 9, 10 (gage height, 0.80 ft).

Period of record: Maximum discharge, 1,100 cfs Apr. 2, 1970; minimum discharge recorded 0.4 cfs Sept. 8, 1964, Aug. 17, 1970; minimum gage height, 0.63 ft Sept. 8, 1964.

PEAK DISCHARGE.--(Base, 250 cfs): No peak above base.

REMARKS.--Records excellent, except for winter period which is good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	4.2	13	10	10	149	47	26	15	5.4	20	2.6
2	2.5	6.0	11	10	9.0	118	46	23	13	18	11	2.4
3	2.3	23	11	10	7.0	96	37	33	28	11	7.1	2.1
4	2.6	22	15	18	6.0	122	38	43	64	6.9	5.6	2.0
5	4.8	14	17	45	8.0	126	76	33	30	6.2	4.9	1.6
6	4.3	13	16	37	15	86	70	27	18	4.9	4.1	2.1
7	4.8	9.0	14	23	38	93	64	24	15	4.3	3.4	2.0
8	3.6	7.1	11	17	60	115	61	22	32	3.8	2.8	1.5
9	4.0	6.0	11	16	100	79	50	29	145	3.3	2.9	1.3
10	3.8	5.7	14	15	80	66	42	41	62	2.8	5.3	1.2
11	3.7	18	14	14	45	56	36	41	35	2.6	2.4	1.5
12	7.0	24	13	12	35	49	32	31	24	2.5	3.6	7.3
13	14	20	13	12	77	52	30	48	20	2.5	3.0	18
14	10	50	12	12	130	62	28	72	17	3.0	2.5	15
15	6.4	36	11	12	140	108	27	45	14	2.9	2.2	13
16	4.7	35	12	12	60	131	26	55	13	2.6	2.0	8.5
17	4.0	21	19	12	35	90	25	93	12	2.8	1.8	6.1
18	3.6	15	20	11	25	94	24	58	10	5.8	1.6	4.9
19	3.3	13	18	9.0	30	141	23	42	8.4	5.6	1.5	4.2
20	3.2	14	18	7.5	50	96	21	36	7.4	17	4.8	3.8
21	3.5	27	16	7.5	70	76	21	31	6.9	12	2.8	5.4
22	3.4	22	14	7.5	70	67	20	32	6.6	6.4	2.3	4.9
23	14	18	14	7.7	80	58	18	27	7.8	4.5	1.9	4.2
24	13	17	13	7.9	80	52	17	21	9.5	3.7	1.6	3.9
25	12	14	13	8.0	73	48	19	20	8.7	3.2	1.5	3.4
26	8.0	12	12	15	65	45	18	19	8.3	3.3	1.6	3.2
27	6.5	12	12	20	137	40	18	16	6.7	4.0	2.2	3.0
28	5.5	12	11	17	176	38	17	16	5.6	3.6	6.2	2.6
29	5.0	13	11	13	------	36	30	15	4.7	2.9	9.3	2.6
30	4.7	13	10	12	------	33	33	15	4.5	13	5.9	2.4
31	4.6	------	10	11	------	31	------	16	------	52	3.6	------
TOTAL	175.1	516.0	419	441.1	1,711.0	2,449	1,016	1,050	652.1	222.5	131.4	136.7
MEAN	5.65	17.2	13.5	14.2	61.1	79.0	33.8	33.9	21.7	7.18	4.24	4.56
MAX	14	50	20	45	176	149	76	93	145	52	20	18
MIN	2.2	4.2	10	7.5	6.0	31	17	15	4.5	2.5	1.5	1.2
CFSM	.33	1.02	.80	.84	3.62	4.67	2.00	2.01	1.28	.42	.25	.27
IN.	.39	1.14	.92	.97	3.77	5.39	2.23	2.31	1.44	.49	.29	.30

CAL YR 1970 TOTAL 10,873.77 MEAN 29.8 MAX 586 MIN .50 CFSM 1.76 IN 23.94
WTR YR 1971 TOTAL 8,919.10 MEAN 24.4 MAX 176 MIN 1.2 CFSM 1.44 IN 19.63

01126950 Pachaug River at Pachaug, Conn.

LOCATION.--Lat 41°35'05", long 71°56'02", New London County, on right bank 300 ft upstream from bridge on State Highway 138 at Pachaug, and 0.3 mile downstream from Pachaug Pond.

DRAINAGE AREA.--50.4 sq mi.

PERIOD OF RECORD.--July 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 144.85 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--10 years, 87.6 cfs (23.56 inches per year).

EXTREMES.--Current year: Maximum discharge, 314 cfs Mar. 1 (gage height, 3.74 ft); minimum, 1.5 cfs July 13 (gage height, 1.80 ft).
Period of record: Maximum discharge, 1,180 cfs Mar. 19, 1968 (gage height, 7.45 ft); minimum, no flow many days in July, August, September and October 1968 (regulated).
Flood of Sept. 21, 1938, reached a discharge of 2,240 cfs by computation of flow over dam 5.5 miles downstream (drainage area, 59.1 sq mi).

PEAK DISCHARGE.--(Base, 500 cfs): No peak above base.

REMARKS.--Records excellent. Flow regulated at times by Pachaug Pond, (see p.42).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	20	71	65	68	304	105	99	68	21	44	12
2	20	26	67	67	62	264	104	100	63	9.7	40	10
3	20	35	64	64	55	230	129	129	60	5.8	32	9.5
4	23	26	70	65	51	255	140	158	69	3.8	30	8.3
5	20	30	72	112	59	263	141	163	67	3.2	29	9.2
6	19	46	71	197	73	248	135	147	62	3.2	24	9.3
7	19	65	67	165	79	246	172	129	57	3.3	20	8.7
8	18	68	64	147	137	267	196	123	55	3.2	18	8.5
9	19	64	59	126	221	253	204	132	68	3.2	15	8.9
10	17	60	57	110	216	223	184	156	54	2.9	13	9.4
11	16	60	55	101	180	206	166	158	46	3.1	13	9.1
12	16	58	66	94	191	192	151	144	41	3.4	21	21
13	15	69	69	87	161	183	137	131	47	2.8	18	28
14	15	130	65	84	277	176	121	118	78	3.8	16	33
15	15	155	61	79	295	172	110	111	72	3.8	15	29
16	17	155	56	74	244	177	106	125	67	4.5	13	26
17	16	135	89	71	202	176	101	166	56	4.7	13	24
18	15	119	122	65	176	168	95	175	47	4.9	12	20
19	15	106	134	60	163	168	94	162	40	20	11	18
20	14	104	135	55	169	209	91	140	34	85	13	15
21	14	143	128	51	188	226	88	122	29	91	13	21
22	14	151	119	49	187	219	81	120	25	77	12	20
23	23	140	111	52	204	194	78	109	23	56	11	18
24	27	122	112	54	216	169	78	99	21	41	8.5	16
25	27	107	103	55	206	155	77	89	22	32	7.7	13
26	25	94	95	66	189	144	78	80	30	30	7.8	13
27	23	86	86	80	220	133	76	74	29	29	10	12
28	23	79	79	78	300	124	77	69	26	24	21	12
29	22	74	72	73	------	119	93	65	26	23	15	13
30	20	74	68	75	------	114	101	65	26	35	14	14
31	20	------	63	72	------	109	------	68	------	48	14	------
TOTAL	589	2,601	2,550	2,553	4,769	6,083	3,509	3,726	1,390	681.3	544.0	469.9
MEAN	19.0	86.7	82.3	82.4	170	196	117	120	46.3	22.0	17.5	15.7
MAX	27	155	135	165	300	304	204	175	72	91	44	33
MIN	14	20	55	49	51	109	76	65	21	2.8	7.7	8.5
CFSM	.38	1.72	1.63	1.63	3.37	3.89	2.32	2.38	.92	.44	.35	.31
IN.	.43	1.92	1.88	1.88	3.51	4.49	2.59	2.75	1.03	.50	.40	.35

CAL YR 1970 TOTAL 35,892.2 MEAN 98.3 MAX 856 MIN 7.3 CFSM 1.95 IN 26.49
WTR YR 1971 TOTAL 29,445.2 MEAN 80.7 MAX 304 MIN 2.8 CFSM 1.60 IN 21.73

01127000 Quinebaug River at Jewett City, Conn.

LOCATION.--Lat 41°35'52", long 71°59'05", New London County, on left bank behind high school on Slater Avenue, Jewett City, 570 ft downstream from outlet of canal from Wedgwood Mills at mouth of Pachaug River, 1,000 ft downstream from railroad bridge and at mile 6.1.

DRAINAGE AREA.--711 sq mi.

PERIOD OF RECORD.--July 1918 to current year.

GAGE.--Water-stage recorder. Datum of gage is 63.07 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--53 years, 1,216 cfs (23.23 inches per year).

EXTREMES.--Current year: Maximum discharge 3,950 cfs Mar. 20 (gage height, 9.89 ft); minimum 111 cfs Aug. 26, 27 (gage height, 4.17 ft); minimum daily 113 cfs Aug. 26

Period of record: Maximum discharge 40,700 cfs Aug. 20, 1955 (gage height, 29.0 ft from floodmarks), rom rating curve extended above 11,000 cfs by computation of peak flows over three nearby dams at gage height, 21.7, 22.5 24.0 and 29.0 ft; minimum 17 cfs Aug. 27, 1949 (gage height, 3.47 ft); minimum daily 18 cfs Aug. 29, Dec. 11, 1949.

REMARKS.--Records excellent. Flow regulated by East Brimfield, Westville, West Thompson, Hodges Village, Buffumville Reservoirs, and Pachaug Pond (see p. 42), by Lake Chaugunagungamoug (estimated usable capacity 207,000,000 cu ft), and by smaller reservoirs upstream. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	260	643	540	671	3,650	1,830	1,290	969	285	494	181
2	167	292	615	560	622	3,410	1,780	1,270	906	347	397	166
3	167	563	588	991	553	3,050	1,970	1,390	920	350	333	152
4	191	589	664	610	499	3,050	2,200	1,710	1,230	301	291	144
5	199	574	865	901	450	3,110	2,200	1,740	1,170	267	273	138
6	200	579	920	1,310	500	2,740	2,130	1,610	1,020	244	248	132
7	200	538	866	1,200	699	2,600	2,420	1,460	922	228	244	125
8	202	489	762	1,080	914	2,910	2,800	1,350	866	214	241	123
9	195	445	696	957	1,380	2,590	2,710	1,390	1,330	206	231	130
10	191	412	684	873	1,360	2,280	2,550	1,610	1,290	198	221	131
11	188	437	691	820	1,230	2,180	2,440	1,800	1,020	189	210	123
12	190	546	725	815	1,130	2,040	2,300	1,700	872	181	219	189
13	200	604	723	722	1,280	1,980	2,140	1,650	802	167	215	396
14	202	1,040	738	646	3,160	1,910	1,990	2,070	748	173	199	598
15	203	1,120	662	642	2,760	1,950	1,810	2,190	666	183	187	856
16	309	1,160	569	661	2,350	2,580	1,660	2,210	619	167	181	856
17	387	1,040	672	582	1,890	3,370	1,460	2,630	582	159	165	675
18	388	902	955	546	1,730	3,530	1,420	2,650	528	176	155	492
19	361	797	987	542	1,710	3,110	1,390	2,310	478	221	151	423
20	317	771	1,010	512	1,840	3,690	1,330	1,960	442	365	176	379
21	283	1,030	927	488	2,080	3,770	1,260	1,720	416	373	191	409
22	270	1,100	829	450	1,920	3,330	1,200	1,640	391	330	163	368
23	335	1,020	793	400	2,090	2,920	1,140	1,540	368	276	149	308
24	520	925	800	400	2,370	2,630	1,040	1,390	356	234	128	270
25	551	911	786	400	2,110	2,380	1,010	1,270	347	221	117	262
26	473	786	723	500	1,930	2,170	1,000	1,190	360	219	113	264
27	407	738	675	600	2,390	2,060	1,010	1,110	324	220	125	231
28	366	731	647	640	3,550	1,940	1,010	1,080	304	200	184	208
29	330	721	608	657	-------	1,880	1,130	1,020	282	180	225	195
30	304	668	592	699	-------	1,850	1,260	963	277	272	215	188
31	285	-------	573	702	-------	1,840	-------	966	-------	601	197	-------
TOTAL	8,754	21,788	22,988	21,046	45,168	82,500	51,590	49,999	20,785	7,747	6,636	9,112
MEAN	282	726	742	679	1,613	2,661	1,720	1,613	693	250	214	304
MAX	551	1,160	1,010	1,310	3,550	3,770	2,800	2,650	1,330	601	494	856
MIN	167	260	569	400	450	1,840	1,000	963	277	159	113	123
(†)	-6.0	-1.9	-19.5	+3.2	+17.5	+20.6	-0.1	-3.5	-10.1	-1.9	+4.3	-2.2
MEAN*	276	724	722	782	1,620	2,682	1,720	1,610	683	248	218	302
CFSM*	0.39	1.02	1.02	1.10	2.28	3.77	2.42	2.26	0.96	0.35	0.31	0.42
IN*	0.45	1.14	1.18	1.27	2.37	3.35	2.70	2.61	1.07	0.40	0.36	0.47

CAL YR 1970 TOTAL 451,720 MEAN 1,238 MAX 11,800 MIN 121 MEAN* 1,234 CFSM 1.74 IN 23.57
WTR YR 1971 TOTAL 348,113 MEAN 954 MAX 3,770 MIN 113 MEAN* 954 CFSM 1.34 IN 17.37

†Change in contents in East Brimfield, Westville, West Thompson, Hodges Village, Buffumville, and Quaddick Reservoirs, and Pachaug Pond, equivalent in cubic feet per second; reservoir records furnished by Corps of Engineers.

*Adjusted for change in contents.

01127500 Yantic River at Yantic, Conn.

LOCATION.--Lat 41°33'31", long 72°07'19", New London County, on left bank at Yantic, 750 ft downstream from stone-arch highway bridge, 1 mile downstream from Susquetonscut Brook, and 4.8 miles upstream from mouth.

DRAINAGE AREA.--88.6 sq mi.

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 95.46 ft above mean sea level.

AVERAGE DISCHARGE.--41 years, 152 cfs (23.26 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,700 cfs Feb. 13 (gage height, 7.52 ft); minimum 3.3 cfs Sept. 10 (gage height, 0.74 ft).
Period of record: Maximum discharge, 13,500 cfs Sept. 21, 1938 (gage height, 14.66 ft from floodmarks), by computation of flow over two dams 2.5 miles upstream and 3 miles downstream from station, respectively; minimum, 2.2 cfs Aug. 3, 1963; minimum gage height, 0.41 ft Oct. 15, 1930; minimum daily discharge, 2.3 cfs Aug. 30, 1963.

PEAK DISCHARGE.--(Base, 1,000 cfs):

DATE	TIME	G.HT	DISCHARGE
2-13	2230	7.52	1,700

REMARKS.--Records excellent. Low flow regulated by mills upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	21	59	99	29	569	131	149	205	12	65	13
2	6.3	29	69	66	23	416	126	119	173	25	27	11
3	6.5	120	49	65	19	369	222	181	136	22	22	9.6
4	9.0	85	68	65	16	485	213	235	202	17	30	8.5
5	10	90	78	240	23	479	169	202	148	14	30	7.3
6	9.8	78	64	276	49	396	160	151	96	9.8	35	6.2
7	9.4	50	53	170	44	471	302	123	72	11	32	6.2
8	8.9	42	45	130	171	561	379	121	67	9.9	31	6.2
9	8.7	28	44	110	418	376	288	231	113	9.3	30	5.4
10	8.4	30	51	98	250	320	252	339	90	8.2	21	5.6
11	8.3	48	53	69	167	297	190	300	53	7.0	25	9.7
12	8.5	51	53	70	96	286	151	205	46	7.3	48	136
13	8.9	43	64	93	392	296	135	227	46	8.5	36	211
14	26	106	56	73	1,070	283	125	300	55	10	27	132
15	55	216	59	58	526	296	112	215	37	8.8	22	93
16	76	163	77	60	165	426	98	283	28	7.2	19	56
17	107	135	109	50	85	396	98	466	27	6.1	16	39
18	106	100	193	60	69	314	99	323	23	7.6	13	32
19	99	89	156	32	88	283	92	214	21	11	19	27
20	92	117	190	26	193	617	90	158	20	22	65	23
21	88	210	130	25	209	468	85	146	19	16	56	70
22	89	170	102	27	135	337	84	133	18	12	33	61
23	80	127	91	30	292	283	79	113	17	9.6	30	39
24	106	115	49	90	925	242	76	91	17	8.5	18	30
25	69	92	117	90	252	206	77	88	16	8.1	17	24
26	66	83	81	66	230	190	79	72	15	8.5	9.3	21
27	37	73	96	81	620	185	76	104	13	9.3	9.0	20
28	32	80	92	68	790	169	75	119	11	8.1	29	19
29	29	70	80	63	---	163	163	122	11	7.0	41	19
30	28	70	71	63	---	155	288	181	10	24	25	17
31	23	---	60	56	---	143	---	265	---	66	18	---
TOTAL	1,275.6	2,937	2,551	2,300	6,462	10,416	4,383	5,972	1,758	409.4	835.3	1,177.5
MEAN	41.1	97.9	82.3	74.2	231	336	146	193	58.6	13.2	26.9	39.3
MAX	107	216	193	276	1,070	617	379	466	205	66	65	211
MIN	6.3	21	44	25	16	143	75	72	10	6.1	9.0	5.4
CFSM	.46	1.11	.93	.84	2.61	3.79	1.65	2.18	.66	.15	.30	.44
IN.	.54	1.23	1.07	.97	2.71	4.37	1.84	2.51	.74	.17	.35	.49

CAL YR 1970 TOTAL 58,115.5 MEAN 159 MAX 1,780 MIN 5.3 CFSM 1.79 IN 24.3
WTR YR 1971 TOTAL 40,476.6 MEAN 111 MAX 1,070 MIN 5.4 CFSM 1.25 IN 16.99

01127729 Mells Brook at Hallville, Conn.

LOCATION.--Lat 41°29'52", long 72°02'13", New London County, at bridge on Eccleston Road, 0.3 mile northwest of Hallville.

DRAINAGE AREA.--17.6 sq mi.

PERIOD OF RECORD.--April 1970 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 40 ft. (from topographic map).

EXTREMES.--Current year: Maximum discharge about 130 cfs Feb. 27 (gage height about 3.18 ft); minimum 1.2 cfs July 18, 19, Sept. 2-4, 10-25-30, (gage height, 0.92 ft).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	7.0	24	17	25	100	32	38	21	2.2	11	1.6
2	3.0	11	23	17	20	73	31	34	18	2.6	7.9	1.3
3	3.1	59	21	16	12	60	40	52	17	2.8	5.9	1.2
4	3.8	58	24	15	11	42	42	68	17	2.5	6.2	1.3
5	3.7	50	27	40	13	88	40	57	15	2.3	5.4	1.3
6	5.8	45	26	50	25	86	37	48	13	2.1	4.4	1.3
7	4.7	38	24	40	36	85	58	41	12	1.9	3.9	1.3
8	4.5	32	19	30	40	89	60	37	11	1.8	3.0	1.3
9	4.1	25	17	37	75	70	64	46	16	1.7	2.7	1.3
10	3.9	20	18	35	62	69	55	50	13	1.6	2.4	1.3
11	3.7	21	18	25	57	63	47	61	11	1.7	2.4	1.3
12	3.6	22	16	21	49	61	42	54	9.3	1.6	3.9	1.0
13	3.4	26	16	20	60	61	38	46	10	1.6	3.0	1.5
14	3.3	59	18	19	130	59	35	42	14	1.7	3.5	1.6
15	3.2	62	17	18	90	57	32	38	11	1.5	2.6	1.5
16	3.0	50	19	17	50	59	30	45	10	1.6	2.0	1.0
17	6.1	51	29	17	45	58	28	64	9.0	1.3	1.5	1.0
18	5.6	43	43	16	45	56	27	62	7.7	1.3	1.5	1.7
19	4.6	38	47	16	45	51	26	53	6.5	2.8	1.5	1.5
20	4.1	39	48	15	50	76	24	45	5.7	32	1.5	1.6
21	3.9	55	42	15	40	70	24	38	5.5	32	1.5	1.5
22	3.9	56	36	17	67	69	23	37	5.2	29	1.4	1.6
23	17	52	31	20	60	60	22	34	4.3	16	1.4	1.3
24	32	45	28	21	75	53	20	30	3.8	9.9	1.4	1.3
25	28	38	26	22	60	47	21	27	3.4	4.9	1.4	1.3
26	25	34	24	26	50	43	21	24	3.1	5.1	1.4	1.2
27	20	31	22	31	130	40	22	21	2.7	5.6	1.6	1.2
28	15	29	21	46	120	38	22	19	2.4	4.4	1.6	1.2
29	13	25	20	25	------	36	33	17	2.2	3.6	1.7	1.2
30	8.5	25	19	20	------	35	41	19	2.1	6.3	1.7	1.2
31	8.1	------	18	20	------	36	------	24	------	10	1.5	------
TOTAL	258.1	1,135.0	782	742	1,522	1,950	1,046	1,274	279.9	197.2	90.6	41.9
MEAN	8.33	37.8	25.2	23.9	54.4	62.9	34.9	41.1	9.33	6.36	2.92	1.40
MAX	32	62	48	50	130	100	69	68	21	32	11	1.6
MIN	3.0	7.0	16	15	11	35	20	17	2.1	1.3	1.4	1.2
CFSM	.47	2.15	1.43	1.36	3.09	3.57	1.98	2.34	.53	.36	.17	.08
IN.	.55	2.40	1.65	1.57	3.22	4.12	2.21	2.69	.59	.42	.19	.09

WTR YR 1971 TOTAL 9,318.7 MEAN 25.5 MAX 130 MIN 1.2 CFSM 1.45 IN 19.70

THAMES RIVER ESTUARY AT ALLYN POINT, CONN.

DISCHARGE, IN CUBIC FEET PER SECOND, FOR AUGUST 4, 1971

Time (dst)	Discharge (cfs)	Stage * (feet)	Time (dst)	Discharge (cfs)	Stage * (feet)	Time (dst)	Discharge (cfs)	Stage * (feet)	Time (dst)	Discharge (cfs)	Stage * (feet)
		DOWNSTREAM FLOW						UPSTREAM FLOW			
800	0	2.40	1130	12,200	1.71	1430	1,800	0.49	1800	10,700	2.32
830	2,200	2.50	1200	12,400	1.52	1500	6,000	.52	1830	8,600	2.64
900	4,200	2.60	1230	12,000	1.28	1530	9,400	.71	1900	6,600	2.87
930	6,000	2.52	1300	10,600	1.04	1600	11,300	.90	1930	4,600	2.97
1000	8,000	2.30	1330	8,000	.70	1630	12,400	1.16	2000	2,600	3.12
1030	10,000	2.10	1400	4,000	.50	1700	12,600	1.51	2045	0	--
1100	11,400	1.80				1730	12,000	1.93			

* Assumed datum

Reservoirs in Thames River Basin

01119259 **STAFFORDVILLE RESERVOIR.**--Lat 41°59'46", long 72°15'37", Tolland County, Conn., on Furnace Brook in Willimantic River basin, at Staffordville. Drainage area, 8.06 sq mi. Usable capacity, 75,500,000 cu ft, based on reservoir survey by Connecticut Board of Fisheries and Game. Records available, September 1960 to current year. Dam was rebuilt after 1886 flood for storage of water for power and industrial supply.

01121500 **MANSFIELD HOLLOW LAKE.**......--Lat 41°45'22", long 72°10'57", Tolland County, Conn., on Natchaug River at Mansfield Hollow, 3.5 miles northeast of Willimantic. Drainage area, 159 sq mi. Usable capacity, 2,260,000,000 cu ft, including 90,000,000 cu ft storage in recreation pool. Records available, March 1952 to current year. Completed in 1952 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01123350 **EAST BRIMFIELD RESERVOIR.**--Lat 42°06'32", long 72°07'35", Worcester County, Mass., on Quinebaug River, 0.7 mile southeast of Fiskdale, 1.2 miles east of East Brimfield. Drainage area, 67.5 sq mi. Usable capacity, 1,400,000,000 cu ft including 83,000,000 cu ft storage in recreation and conservation pool. Records available, July 1960 to current year. Completed in 1960 by Corps of Engineers for storage of water for recreation, conservation, and flood control. Records furnished by Corps of Engineers.

01123550 **WESTVILLE RESERVOIR.**--Lat 42°04'55", long 72°03'28", Worcester County, Mass., on Quinebaug River, 1.3 miles west of Southbridge. Drainage area, 99.1 sq mi. Usable capacity, 484,000,000 cu ft, including 4,400,000 cu ft storage in recreation pool. Records available, February 1962 to current year. Completed in 1962 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01124150 **WEST THOMPSON LAKE.**......--Lat 41°56'40", long 71°54'00", Windham County, Conn., on Quinebaug River above mouth of French River, at West Thompson. Drainage area, 174 sq mi. Usable capacity, 1,170,000,000 cu ft, including 52,000,000 cu ft storage in recreation pool. Records available, July 1965 to current year Completed in 1965 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01124300 **HODGES VILLAGE RESERVOIR.**--Lat 42°07'09", long 71°52'51", Worcester County, Mass., on French River at Hodges Village. Drainage area, 31.1 sq mi. Usable capacity, 577,000,000 cu ft. Records available February 1960 to current year. Completed in 1960 by Corps of Engineers for storage of water for flood control. Records furnished by Corps of Engineers.

01124400 **BUFFUMVILLE RESERVOIR.**--Lat 42°06'58", long 71°54'29", Worcester County, Mass., on Little River in French River basin, at Buffumville, 2.25 miles west of Oxford. Drainage area, 26.5 sq mi. Usable capacity, 555,000,000 cu ft, including 61,000,000 cu ft storage in recreation pool. Records available, September 1958 to current year. Completed in 1958 by Corps of Engineers for storage of water for recreation and flood control. Records furnished by Corps of Engineers.

01126949 **PACHAUG POND.**--Lat 41°34'59", long 71°55'50", New London County, Conn, on Pachaug River at Pachaug. Drainage area, 50.1 sq mi. usable capacity, 210,000,000 cu ft. Records available, August 1962 to current year.

Month-end usable contents, in millions of cubic feet, water year October 1970 to September 1971

Date	Staffordville Reservoir	Mansfield Hollow Lake	East Brimfield Reservoir	Westville Reservoir	West Thompson Lake
Sept. 30, 1970	40.8	25.3	102.7	4.8	56.5
Oct. 31	35.7	26.2	104.4	4.8	60.0
Nov. 30	38.9	30.1	78.6	5.8	62.8
Dec. 31	46.8	28.1	26.4	5.0	61.7
Jan. 31, 1971	42.8	41.6	27.4	5.6	65.9
Feb. 28	55.2	126.7	49.2	8.5	81.6
Mar. 31	75.5	65.6	104.4	7.3	74.3
Apr. 30	75.5	141.1	112.6	6.1	73.2
May 31	75.5	132.8	111.0	5.7	69.0
June 30	69.0	112.8	104.4	4.8	57.5
July 31	65.6	122.8	109.3	4.8	57.5
Aug. 31	52.4	109.0	106.0	4.9	58.6
Sept. 30	41.8	112.8	102.7	4.8	56.5

Date	Hodges Village Reservoir	Buffumville Reservoir	Pachaug Pond
Sept. 30, 1970	0.3	64.5	219
Oct. 31	.3	62.7	200
Nov. 30	.7	60.1	219
Dec. 31	.8	61.9	219
Jan. 31, 1971	1.0	64.5	219
Feb. 28	1.2	66.2	219
Mar. 31	1.5	74.3	219
Apr. 30	1.1	68.0	219
May 31	.7	65.3	219
June 30	.5	58.4	219
July 31	.4	57.5	210
Aug. 31	.7	61.9	219
Sept. 30	.6	61.9	219

01184000 Connecticut River at Thompsonville, Conn.

(International Hydrological Decade River Station)

LOCATION.--Lat 41°59'14", long 72°36'21", Hartford County, on right bank just upstream from Enfield Dam, 1 mile downstream from Thompsonville, 3 miles downstream from Massachusetts-Connecticut State line, and at mile 68.2.

DRAINAGE AREA.--9,661 sq mi.

PERIOD OF RECORD.--July 1928 to current year.

GAGE.--Water-stage recorders on river and on canal of Connecticut Light and Power Co. Datum of gage is 38.48 ft above mean sea level.

AVERAGE DISCHARGE.--43 years, 15,960 cfs (22.43 inches per year), adjusted for storage and diversion.

EXTREMES.--Current year: Maximum discharge, 78,400 cfs May 5 (gage height, 5.89 ft); minimum daily, 1,620 cfs July 11.
Period of record: Maximum discharge, 282,000 cfs Mar. 20, 1936 (gage height, 16.6 ft, from floodmarks); minimum daily, 968 cfs Oct. 20, 1963.

REMARKS.--Records good. Discharge includes water diverted around station by canal of Connecticut Light & Power Co. Flow regulated by powerplants, by diversion from Chicopee River basin (see table below), and by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore Reservoir and Comerford Station Pond, Quabbin Reservoir (see p.), and other reservoirs (combined usable capacity, about 107 billion cubic feet). Records of chemical analyses and water temperatures for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 741: 1932. WSP 891: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,910	4,050	9,470	5,420	4,860	12,800	15,000	54,300	14,100	5,500	4,610	8,460
2	8,420	4,150	11,200	4,110	5,610	14,200	15,600	50,800	12,600	7,130	4,910	5,990
3	8,440	5,290	10,600	3,730	5,820	14,800	20,300	51,200	11,100	7,210	5,770	6,120
4	6,970	6,190	11,200	4,310	5,920	14,500	29,400	61,100	11,300	2,680	7,360	6,620
5	5,420	5,730	13,700	5,590	5,920	13,300	34,700	74,900	9,020	1,970	9,380	3,480
6	8,950	6,750	13,000	6,050	5,190	13,200	34,300	76,600	7,330	2,110	7,870	2,260
7	8,770	6,120	8,490	5,530	4,230	12,800	32,500	71,000	6,850	2,490	7,700	3,560
8	8,340	4,300	9,640	5,710	3,970	10,900	31,800	63,000	10,000	2,850	2,970	5,650
9	9,130	4,850	9,760	5,980	6,660	10,500	27,900	59,000	10,100	4,420	3,570	5,850
10	8,020	4,450	9,410	5,110	7,100	12,000	27,100	58,500	9,760	2,470	6,400	5,410
11	4,230	4,290	8,490	5,530	7,210	13,000	30,500	55,500	10,400	1,620	4,790	2,660
12	3,800	6,060	9,040	5,280	6,760	11,900	36,800	51,700	8,770	2,170	4,750	4,300
13	6,390	7,040	5,450	5,600	6,300	11,500	46,200	51,500	5,390	2,490	4,380	7,170
14	6,260	7,940	6,080	6,250	6,020	9,990	55,300	57,000	7,380	2,520	2,400	6,680
15	6,130	6,250	8,960	5,570	6,380	9,710	63,500	54,700	7,160	2,960	1,850	8,340
16	7,130	6,980	7,920	4,670	6,430	13,400	59,800	47,300	5,840	3,230	2,720	7,430
17	7,690	9,210	7,410	3,430	7,910	17,600	49,000	41,700	4,710	2,760	3,440	8,430
18	8,810	10,100	6,970	5,070	10,600	22,300	43,800	35,000	4,400	2,130	2,950	6,910
19	7,790	9,390	6,850	6,620	11,100	20,800	40,500	30,700	3,830	2,930	3,210	9,180
20	7,510	10,700	6,220	6,410	9,660	20,000	45,500	26,500	2,890	7,000	3,180	5,690
21	9,010	9,440	7,330	6,300	8,820	20,300	57,900	21,300	3,470	4,400	2,300	7,210
22	8,590	9,730	8,420	6,190	8,120	19,700	67,100	21,200	5,770	3,730	1,750	5,860
23	8,600	10,500	7,130	5,760	10,100	18,800	70,100	21,500	5,110	4,180	2,980	5,540
24	9,070	12,800	6,390	4,480	10,700	18,000	66,900	21,500	4,300	3,430	4,150	6,330
25	8,050	13,900	5,890	4,010	9,660	15,800	60,200	19,100	5,770	1,990	2,970	4,670
26	7,760	12,000	6,070	5,920	9,740	15,000	53,000	18,600	5,680	2,690	3,600	2,550
27	9,520	11,600	7,050	5,910	9,850	14,500	48,400	19,000	7,500	5,220	4,930	3,130
28	9,140	8,860	7,760	6,300	12,500	11,700	46,900	20,400	4,880	4,070	13,000	4,250
29	9,140	7,740	7,340	6,020	------	11,000	48,100	18,400	4,990	2,130	18,800	3,730
30	8,680	7,330	6,820	4,850	------	13,400	54,400	17,100	4,790	2,810	17,200	3,600
31	6,320	------	6,620	4,350	------	14,600	------	16,700	------	4,990	15,200	------
TOTAL	238,990	233,740	256,680	166,060	213,140	452,000	1,312.5M	1,286.8M	215,190	108,280	181,090	163,360
MEAN	7,709	7,791	8,280	5,357	7,612	14,580	43,750	41,510	7,173	3,493	5,842	5,435
MAX	9,140	13,900	13,700	6,620	12,500	22,300	70,100	76,600	14,100	7,210	18,800	8,460
MIN	3,800	4,050	5,450	3,430	3,970	9,710	15,000	16,700	2,890	1,620	1,750	2,260
(†)	458	453	457	370	414	0	.67	0	136	454	458	456
MEAN‡	7,607	7,586	7,212	4,320	7,077	13,030	47,120	46,090	6,922	3,326	6,074	4,851
CFSM‡	.79	.79	.75	.45	.73	1.35	4.88	4.77	.72	.34	.63	.50
IN.‡	.91	.88	.86	.52	.76	1.56	5.44	5.50	.80	.40	.72	.56

CAL YR 1970 TOTAL 5,643,480 MEAN 15,460 MAX 77,200 MIN 1,440 MEAN‡ 15,600 CFSM‡ 1.61 IN‡ 21.92
WTR YR 1971 TOTAL 4,827,530 MEAN 13,230 MAX 76,600 MIN 1,620 MEAN‡ 13,450 CFSM‡ 1.39 IN‡ 18.90

† Diversion, in cubic feet per second, from Chicopee River basin to Wachusett Reservoir.

‡ Adjusted for change in contents in all reservoirs from First Connecticut and Second Connecticut Lakes to Borden Brook and Cobble Mountain Reservoirs on page and for diversion from Chicopee River basin.

01184490 Broad Brook at Broad Brook, Conn.

LOCATION.--Lat 41°54'50", long 72°33'00", Hartford County, on left bank just upstream from bridge on State Highway 191 (Mill Street) at Broad Brook, 0.5 mile upstream from mouth.

DRAINAGE AREA.--15.5 sq mi.

PERIOD OF RECORD.--August 1961 to current year.

GAGE.--Waster-stage recorder. Datum of gage is 53.24 ft above mean sea level.

AVERAGE DISCHARGE.--10 years, 18.9 cfs (16.56 inches per year).

EXTREMES.--Current year: Maximum discharge, 136 cfs Feb. 27 (gage height, 2.06 ft); minimum 4.1 cfs Aug 7. Period of record: Maximum discharge, 802 cfs Feb. 3, 1970 (gage height, 5.31 ft); minimum 1.35 cfs Jan. 1, 1965; minimum daily 1.70 cfs (gage height, 0.43 ft), July 17, 1965.

PEAK DISCHARGE.--(Base, 250 cfs): No peak above base.

REMARKS.--Records good. Flow regulated by reservoir and mill upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	9.6	11	11	15	59	22	25	20	18	20	9.6
2	9.2	9.6	10	11	13	48	24	23	18	36	14	9.6
3	11	10	10	11	12	41	33	24	30	16	13	8.0
4	18	11	19	11	10	44	26	30	42	14	13	7.4
5	12	15	16	16	11	37	23	23	23	14	12	7.2
6	10	12	13	18	15	34	23	21	21	13	11	7.0
7	9.6	10	12	13	14	43	37	20	18	13	10	6.6
8	9.6	11	10	12	14	46	40	21	21	12	10	6.0
9	9.6	15	10	11	27	34	53	28	27	12	10	18
10	9.2	10	11	12	20	31	32	33	19	12	9.7	45
11	9.2	10	11	11	16	33	28	22	16	11	11	27
12	8.8	9.6	12	11	16	31	26	19	16	12	14	21
13	8.8	12	11	10	25	32	25	54	16	12	11	17
14	8.8	24	10	10	50	32	24	71	16	12	10	15
15	11	18	10	11	30	39	22	34	15	11	10	13
16	12	16	8.8	10	21	58	20	35	15	11	9.6	12
17	10	13	12	9.7	19	47	21	40	15	10	9.6	11
18	9.6	12	15	9.6	18	37	21	30	13	10	9.3	10
19	9.2	12	14	9.5	25	37	21	28	13	11	9.2	10
20	9.2	9.6	14	12	31	60	21	26	13	12	9.7	9.9
21	9.6	8.0	14	11	32	43	22	24	13	12	9.6	13
22	11	10	12	10	24	36	25	27	12	11	9.2	11
23	13	11	12	9.0	41	34	20	23	12	12	9.0	9.8
24	13	13	13	8.5	35	31	21	21	13	11	8.5	9.5
25	11	11	11	8.4	27	29	22	22	16	11	8.4	9.6
26	10	11	12	8.2	30	28	22	24	15	11	8.3	9.4
27	10	11	11	8.1	84	28	21	21	13	10	12	9.5
28	10	10	11	8.0	76	28	22	21	12	11	28	9.4
29	9.6	10	10	8.0	------	29	29	19	12	9.9	16	9.2
30	9.6	11	10	26	------	25	27	20	12	9.9	12	8.9
31	9.6	------	10	17	------	23	------	21	------	27	10	------
TOTAL	320.4	355.4	365.8	352.0	751	1,157	753	850	517	405.8	357.1	369.6
MEAN	10.3	11.8	11.8	11.4	26.8	37.3	25.1	27.4	17.2	13.1	11.5	12.3
MAX	18	24	19	26	84	60	40	71	42	34	28	45
MIN	8.8	8.0	8.8	8.0	10	23	20	19	12	9.9	8.3	6.0
CFSM	.66	.76	.76	.74	1.73	2.41	1.62	1.77	1.11	.85	.74	.79
IN.	.77	.85	.88	.84	1.80	2.78	1.81	2.04	1.24	.97	.86	.89

CAL YR 1970 TOTAL 9,039.2 MEAN 24.8 MAX 338 MIN 8.0 CFSM 1.60 IN 21.69
WTR YR 1971 TOTAL 6,554.1 MEAN 18.0 MAX 84 MIN 6.0 CFSM 1.16 IN 15.73

01184500 Scantic River near Broad Brook, Conn.

LOCATION.--Lat 41°54'42", long 72°33'48", Hartford, County, on left bank 300 ft upstream from bridge on State Highway 191, half a mile downstream from Broad Brook, 1 mile southwest of village of Broad Brook, 8.25 miles upstream from mouth.

DRAINAGE AREA.--98.4 sq mi.

PERIOD OF RECORD.--August 1928 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 26.23 ft above mean sea level.

AVERAGE DISCHARGE.--43 years, 138 cfs (20.29 inches per year).

EXTREMS.--Current year: Maximum discharge, 405 cfs Mar. 1 (gage height, 4.96 ft); minimum about 15 cfs Aug. 26.

Period of record: Maximum discharge, 13,300 cfs Aug. 19, 1955 (gage height, 19.9 ft from floodmarks), from rating curve extended above 1,200 cfs on basis of computation of flow over dams 7 and 9 miles above station, at gage heights 13.9 and 14.4 ft adjusted for flow from intervening area on basis of computation of flow over dam on Broad Brook and by slope-area measurement of peak flow; minimum 5.0 cfs July 31, 1965.

PEAK DISCHARGE.--(Base, 550 cfs): No peak above base.

REMARKS.--Records good. Flow regulated by mills and small reservoirs upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	39	50	53	75	380	157	171	115	63	90	41
2	36	40	70	54	60	346	153	153	105	103	70	35
3	38	40	80	53	50	264	192	150	113	66	60	33
4	66	44	85	54	42	230	200	193	157	48	50	33
5	65	62	95	72	36	196	196	203	150	41	45	33
6	50	62	85	93	40	183	173	188	111	37	40	33
7	42	57	69	84	50	189	209	160	95	34	35	30
8	39	52	59	74	70	225	256	150	103	32	32	28
9	38	52	58	62	130	254	249	175	119	32	31	65
10	36	47	59	59	90	219	236	231	110	35	30	215
11	35	50	61	57	75	202	219	232	86	29	45	167
12	35	50	61	56	75	187	198	206	80	28	70	151
13	34	53	61	49	170	183	175	248	76	28	40	108
14	34	95	59	51	230	187	159	376	71	36	35	84
15	37	112	55	52	160	219	149	366	67	30	32	69
16	55	100	54	50	143	312	140	298	62	28	30	60
17	59	85	63	49	118	361	136	293	58	27	28	55
18	49	69	69	48	102	370	133	264	55	35	26	50
19	44	63	67	50	104	303	130	228	50	45	25	63
20	41	63	69	48	118	343	129	193	49	38	26	68
21	40	77	68	45	133	338	127	169	46	35	29	60
22	43	83	59	37	120	312	130	167	43	33	23	51
23	50	95	60	34	156	262	125	154	40	32	23	47
24	59	120	66	32	168	231	124	149	44	30	21	44
25	59	90	60	32	141	209	127	137	44	28	17	43
26	50	70	58	40	137	192	133	141	45	29	15	42
27	45	65	54	50	247	181	131	135	46	30	17	41
28	42	60	55	55	328	174	128	127	38	28	96	41
29	40	55	51	65	------	174	153	122	31	30	105	39
30	39	55	51	100	------	170	173	112	31	35	82	37
31	39	------	49	85	------	165	------	118	------	150	53	------
TOTAL	1,378	2,005	1,960	1,743	3,368	7,561	4,940	6,009	2,240	1,275	1,321	1,866
MEAN	44.5	66.8	63.2	56.2	120	244	165	194	74.7	41.1	42.6	62.2
MAX	66	120	95	100	328	380	256	376	157	150	105	215
MIN	34	39	49	32	36	165	124	112	31	27	15	28
CFSM	.45	.68	.64	.57	1.22	2.48	1.68	1.97	.76	.42	.43	.63
IN.	.52	.76	.74	.66	1.27	2.86	1.87	2.27	.85	.48	.50	.71

CAL YR 1970	TOTAL 52,325	MEAN 143	MAX 1,910	MIN 20	CFSM 1.45	IN 19.78
WTR YR 1971	TOTAL 35,666	MEAN 97.7	MAX 380	MIN 15	CFSM .99	IN 13.48

01186000 West Branch Farmington River at Riverton, Conn.

LOCATION.--Lat 41°57'46", long 73°01'05", Litchfield County, on right bank at downstream side of bridge on State Highway 20 at Riverton, 0.3 mile upstream from Still River, 2.0 miles downstream from Goodwin Dam of West Branch Reservoir, and at mile 55.0.

DRAINAGE AREA.--130 sq mi.

PERIOD OF RECORD.--August 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 485.60 ft above mean sea level. Prior to Mar. 29, 1957, non-recording gage at same site and datum.

AVERAGE DISCHARGE(adjusted for storage).--16 years, 220 cfs (22.99 inches per year).

EXTREMES.--Current year: Maximum discharge, 574 cfs Mar. 8 (gage height, 4.87 ft); minimum 42 cfs Aug. 6 (gage height, 2.96 ft).

Period of record: Maximum discharge observed, 10,600 cfs Oct. 16, 1955 (gage height, 12.47 ft); minimum discharge, 0.9 cfs July 21, 1960; minimum gage height, 2.43 ft Sept. 16, 1957.

Flood of Aug. 19, 1955 reached a stage of 21.1 ft from floodmarks (discharge, 57,200 cfs, by slope-area measurement 1.5 miles upstream).

REMARKS.--Records excellent. Flow regulated by Colebrook River, Otis and West Branch Reservoirs (see p. 83).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	122	212	139	103	248	165	265	207	406	99	394
2	69	122	192	141	94	235	190	257	197	296	98	434
3	72	122	139	140	105	244	260	272	170	116	98	435
4	72	102	158	140	106	259	215	284	164	116	88	435
5	70	66	150	152	106	254	194	260	164	116	70	435
6	69	63	146	137	108	243	176	242	162	204	66	433
7	127	60	142	94	107	246	204	239	162	267	67	432
8	255	59	300	92	108	361	223	250	165	267	66	474
9	257	57	398	91	111	554	219	305	162	300	66	537
10	257	58	396	92	108	538	235	251	158	321	66	538
11	257	57	397	91	100	505	234	195	158	321	85	538
12	257	65	397	91	99	502	250	193	160	321	108	549
13	257	88	397	80	105	510	264	289	158	321	108	528
14	248	99	395	60	137	519	243	275	156	314	110	273
15	241	108	392	51	116	395	171	240	156	303	110	103
16	254	104	320	76	107	224	156	249	156	302	110	73
17	248	93	154	106	104	249	146	334	154	308	110	69
18	248	94	154	110	103	292	145	442	154	307	97	68
19	251	109	155	110	112	288	162	391	151	307	73	66
20	255	116	155	131	124	287	181	276	149	304	74	66
21	212	141	154	123	129	282	179	274	150	285	74	253
22	139	121	154	78	135	281	223	274	147	257	73	392
23	156	118	154	74	143	280	217	272	148	199	73	443
24	153	115	157	74	167	194	222	256	261	145	73	423
25	147	139	156	74	230	151	219	233	325	147	74	414
26	142	209	156	82	232	141	209	203	322	147	191	414
27	139	207	156	98	269	124	197	182	321	147	322	414
28	130	207	157	131	261	124	219	194	320	145	378	414
29	122	207	156	97	-------	142	307	205	324	146	337	404
30	122	212	151	98	-------	161	289	209	360	124	358	377
31	122	-------	139	97	-------	163	-------	214	-------	102	376	-------
TOTAL	5,414	3,440	6,839	3,150	3,729	8,996	6,314	8,025	5,941	7,361	4,098	10,828
MEAN	175	115	221	102	133	290	210	259	198	237	132	361
MAX	257	212	398	152	269	554	307	442	360	406	378	549
MIN	66	57	139	51	94	124	145	182	147	102	66	66
(†)	-93.8	+79.5	-70	+30	+59	-20	+592	+218	-113	-212	-26	-236
MEAN*	81.2	194	151	132	192	270	802	477	86	25	106	125
CFSM*	0.62	1.49	1.16	1.02	1.48	2.08	6.17	3.67	0.66	0.19	0.82	0.96
IN*	0.72	1.66	1.34	1.18	1.54	2.40	6.88	4.23	0.74	0.22	0.94	1.07

CAL YR 1970 TOTAL 83,075 MEAN 228 MAX 1,210 MIN 57 MEAN* 222 CFSM* 1.71 IN* 23.21
WTR YR 1971 TOTAL 74,135 MEAN 203 MAX 554 MIN 51 MEAN* 219 CFSM* 1.68 IN* 22.80

† Change in contents in Colebrook River, and Otis and West Branch Reservoirs, equivalent in cubic feet per second, records furnished by the Massachusetts Department of Natural Resources, Division of Forests and Parks, Hartford Metropolitan District Commission, and Corps of Engineers.

*Adjusted for change in contents.

01186400 Sandy Brook at Robertsville, Conn.

LOCATION.--Lat 41°58'42", long 73°02'44", Litchfield County, on right bank downstream from bridge on State Highway 8 at Robertsville, 0.67 mile upstream from mouth, 1.7 miles downstream from Wrights Brook, and 1.75 miles northwest of Riverton.

DRAINAGE AREA.--36.1 sq mi.

PERIOD OF RECORD.--Water years, 1961-67, (occasional low-flow measurement). October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 561.76 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge, 541 cfs Apr. 13 (gage height, 3.75 ft); minimum 1.6 cfs July 28, 29 (gage height, 0.83 ft).

Period of record: Maximum discharge, 1,350 cfs Apr. 23, 1969 (gage height, 5.55 ft); minimum 1.6 cfs July 28, 29, 1971 (gage height, 0.83 ft).

Flood of Aug. 19, 1955, reached a discharge of 10,100 cfs by contraction measurement 1 mile upstream (drainage area, 31.1 sq mi).

PEAK DISCHARGE.--(Base, 600 cfs): No peak above base.

REMARKS.--Records excellent except those for winter periods, which are good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	35	39	27	27	166	91	135	54	9.2	14	19
2	10	37	35	27	25	144	153	107	41	9.0	13	14
3	11	36	32	27	23	121	368	131	44	7.5	17	11
4	18	37	74	27	23	100	360	228	44	6.3	26	9.4
5	15	56	61	71	24	90	295	184	40	5.6	19	7.9
6	13	52	51	93	25	86	212	119	33	5.0	14	7.0
7	11	42	35	72	26	81	218	89	28	5.0	11	6.5
8	10	37	30	54	30	81	209	95	26	4.1	8.1	6.0
9	9.2	33	30	44	38	73	179	236	36	3.9	7.6	5.4
10	8.4	32	31	43	31	69	237	289	28	3.6	6.1	4.8
11	13	35	29	36	26	58	248	173	23	4.3	6.4	4.4
12	13	33	29	32	26	55	308	122	20	7.8	6.4	16
13	9.5	37	30	29	48	51	410	221	19	4.2	5.0	30
14	7.8	55	30	30	150	48	452	309	17	3.6	4.5	180
15	12	87	28	30	130	55	316	179	15	3.0	4.3	100
16	33	94	25	29	85	167	244	153	14	2.5	4.5	53
17	19	58	32	29	70	189	194	169	13	2.7	4.3	34
18	16	41	40	28	65	146	190	129	12	3.0	4.0	31
19	13	38	39	26	67	114	226	106	11	3.5	3.3	29
20	12	46	42	25	68	99	278	84	10	4.4	5.2	22
21	11	115	38	25	82	87	254	64	9.4	3.7	17	76
22	22	76	36	26	84	76	209	68	9.0	3.0	8.6	60
23	109	95	37	26	83	70	160	61	8.4	2.5	5.6	32
24	72	83	38	26	74	64	135	54	8.9	2.2	4.4	21
25	42	59	36	30	64	59	128	51	9.6	2.6	3.5	16
26	31	46	33	40	62	55	116	66	13	2.5	3.3	15
27	29	41	31	50	147	51	103	57	11	2.2	11	13
28	23	39	30	45	180	51	96	50	12	1.8	252	12
29	20	37	28	40	------	60	182	43	12	2.1	158	12
30	17	43	27	35	------	79	190	42	9.9	5.3	66	11
31	16	------	27	30	------	86	------	58	------	13	31	------
TOTAL	657.9	1,555	1,103	1,152	1,783	2,731	6,761	3,872	631.2	139.1	744.1	858.4
MEAN	21.2	51.8	35.6	37.2	63.7	88.1	225	125	21.0	4.49	24.0	28.6
MAX	109	115	74	93	180	189	452	309	54	13	252	180
MIN	7.8	32	25	25	23	48	91	42	8.4	1.8	3.3	4.4
CFSM	.59	1.43	.99	1.03	1.76	2.44	6.23	3.46	.58	.12	.66	.79
IN.	.68	1.60	1.14	1.19	1.84	2.81	6.97	3.99	.65	.14	.77	.88

CAL YR 1970 TOTAL 23,220.3 MEAN 63.6 MAX 619 MIN 2.3 CFSM 1.76 IN 23.93
WTR YR 1971 TOTAL 21,987.7 MEAN 60.2 MAX 452 MIN 1.8 CFSM 1.67 IN 22.66

01186500 Still River at Robertsville, Conn.

LOCATION.--Lat 41°58'04", long 72°02'04", Litchfield County, on left bank 1,500 ft downstream from Sandy Brook, 1 mile southeast of Robertsville, 1 mile northwest of Riverton, and 1 mile upstream from mouth.

DRAINAGE AREA.--84.4 sq mi.

PERIOD OF RECORD.--July 1948 to September 1967. October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 510.24 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--21 years, 160 cfs (25.74 inches per year).

EXTREMES.--Current year: Maximum discharge, 958 cfs Apr. 14 (gage height, 4.60 ft); minimum 11 cfs July 29 (gage height, 1.37 ft).

Period of record: Maximum discharge, 44,000 cfs Aug. 19, 1955 (gage height, 16.48 ft from floodmarks), from rating curve extended above 5,600 cfs on basis of a slope-area measurement of peak flow; minimum 0.2 cfs Sept. 14, 1957; minimum daily 0.3 cfs Sept. 14, 1957; minimum gage 0.29 ft Aug. 8, 1955.

REMARKS.--Records excellent except those for winter periods, which are fair. Flow regulated by power plant, Mad River Detention and Sucker Brook Reservoirs, and Highland Lake, (see p. 83).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	68	98	70	70	389	271	264	168	23	45	49
2	45	93	97	72	65	331	385	222	110	25	38	38
3	20	85	77	73	60	298	807	301	125	23	41	32
4	48	68	178	74	60	256	715	449	115	21	83	27
5	58	117	138	200	63	229	582	388	85	19	68	23
6	51	100	104	250	65	192	432	295	79	16	34	21
7	57	60	90	170	70	203	479	230	97	16	30	22
8	35	59	80	130	90	239	466	219	92	14	23	37
9	53	82	78	110	90	210	394	486	116	14	20	46
10	15	73	78	100	80	181	499	569	91	13	18	50
11	19	79	77	95	70	176	499	378	75	14	18	28
12	44	89	76	85	80	162	608	280	64	17	20	78
13	53	115	78	80	150	139	757	495	36	13	17	131
14	35	159	78	80	400	130	887	645	69	12	16	423
15	47	211	73	80	350	180	607	384	65	15	14	243
16	106	238	66	75	220	408	476	340	50	12	14	163
17	39	164	85	75	180	440	375	400	57	19	14	118
18	34	131	105	70	170	332	366	309	56	17	14	88
19	57	120	105	70	170	280	434	260	35	20	13	83
20	38	137	110	65	183	243	502	216	21	19	15	96
21	47	287	100	65	176	213	468	185	49	17	27	150
22	73	187	95	70	204	218	411	173	39	15	18	144
23	235	198	100	70	219	211	337	153	32	13	14	93
24	137	174	100	70	207	195	269	164	25	12	14	81
25	89	131	95	80	189	176	262	145	26	12	13	47
26	96	83	85	105	177	168	266	164	25	12	13	41
27	82	87	80	130	350	138	237	191	25	13	57	62
28	72	68	80	110	418	151	224	132	25	12	468	61
29	68	73	75	100	-------	207	383	99	25	31	291	57
30	77	111	70	90	-------	258	368	103	22	24	147	58
31	45	-------	70	80	-------	261	-------	148	-------	57	79	-------
TOTAL	1,917	3,647	2,821	2,994	4,626	7,214	13,766	8,745	1,899	560	1,696	2,990
MEAN	61.8	122	91.0	96.6	165	233	459	282	63.3	18.1	54.7	86.3
MAX	235	287	178	250	418	440	887	645	168	57	468	423
MIN	15	59	66	65	60	130	224	99	21	12	13	21
(†)	-13.0	-8.5	0	+0.1	+2.7	+8.2	+32.8	-3.8	-9.5	0	0	-4.8
MEAN*	48.8	114	91.0	96.7	168	241	492	278	53.8	18.1	54.7	81.5
CFSM*	0.58	1.35	1.08	1.15	1.99	2.86	5.83	3.29	0.64	0.21	0.65	0.97
IN*	0.67	1.51	1.24	1.33	2.07	3.30	6.49	3.79	0.71	0.24	0.75	1.08

CAL YR 1970 TOTAL 51,246 MEAN 140 MAX 1,610 MIN 11 MEAN* 139 CFSM* 1.65 IN* 22.48
WTR YR 1971 TOTAL 52,475 MEAN 144 MAX 887 MIN 12 MEAN* 144 CFSM* 1.71 IN* 23.18

†Change in contents in Mad River Detention and Sucker Brook Reservoirs, and Highland Lake, equivalent in cubic feet per second. Contents of Mad River Detention and Sucker Brook Reservoirs furnished by Corps of Engineers.

*Adjusted for change in contents.

CONNECTICUT RIVER BASIN

01187300 Hubbard River near West Hartland, Conn.

LOCATION.--Lat 42°02'14", long 72°56'22", Hartford County, on left bank at Massachusetts-Connecticut State Line, 800 ft upstream from bridge on State Highway 20, one mile upstream from confluence with Valley Brook, and 2.6 miles northeast of West Hartland.

DRAINAGE AREA.--19.9 sq mi.

PERIOD OF RECORD.--January 1938 to September 1955, September 1956 to current year. Month discharge only, for periods January 1938 to September 1955, October 1956 to September 1960, published in WSP 1721. Daily figures for the periods January 1938 to September 1955, September 1956 to September 1960, available upon request.

GAGE.--Water-stage recorder and stepped sharp-crested weir. Datum of gage is 594.62 ft above mean sea level.

AVERAGE DISCHARGE.--32 years, 37.0 cfs (25.23 inches per year).

EXTREMES.--Current year: Maximum discharge 445 cfs Apr. 13 (gage height, 4.40 ft); minimum, 0.20 cfs July 28 (gage height, 0.05 ft).

PERIOD OF RECORD: Maximum discharge 10,500 cfs Aug. 19, 1955 (gage height, 16.5 ft) from rating curve extended above 300 cfs on basis of contracted-opening measurement of peak flow; minimum daily, 0.2 cfs Sept. 10, 1953, August 16-21, 1957.

PEAK DISCHARGE.--(base, 500 cfs): **No peak above base.**

REMARKS.--Records good.

COOPERATION.--Gage-height record furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	7.8	23	15	16	93	59	106	24	1.5	11	6.5
2	4.4	7.8	21	17	15	69	128	82	17	1.5	12	4.1
3	4.4	7.4	19	16	15	55	327	118	21	1.3	9.3	3.3
4	8.4	8.9	44	16	14	52	257	180	26	1.1	12	2.7
5	6.7	34	37	35	15	45	174	106	18	.90	7.0	2.5
6	5.3	26	29	40	17	39	126	72	14	.80	4.0	2.2
7	4.3	18	24	32	16	40	134	48	12	.60	2.7	2.1
8	4.1	14	21	24	16	38	113	61	10	.50	1.9	2.0
9	3.8	12	22	22	20	34	107	195	12	.45	1.6	1.9
10	3.5	11	21	22	17	33	178	195	8.9	.45	1.3	1.7
11	3.1	17	19	20	16	30	201	102	7.2	.50	1.1	1.6
12	2.8	17	19	18	16	30	172	67	5.6	.50	1.1	10
13	2.7	16	20	17	24	29	331	138	5.3	.45	1.1	13
14	2.7	33	20	17	122	28	307	174	5.1	.50	1.1	58
15	4.8	44	15	17	103	34	205	90	4.6	.50	.90	106
16	30	56	19	16	48	124	194	89	4.1	.45	.80	35
17	16	32	20	16	35	118	125	107	3.7	.50	.50	24
18	11	25	24	15	29	73	140	69	5.0	.70	.50	22
19	8.7	24	24	14	29	55	199	52	4.3	1.1	.45	17
20	7.6	35	27	13	32	53	243	40	3.7	1.0	1.2	13
21	6.7	100	24	12	37	41	209	35	3.4	.70	1.5	30
22	12	45	22	12	40	36	166	37	3.1	.50	2.0	26
23	45	45	21	13	42	34	131	31	2.7	.45	1.7	16
24	41	38	21	12	37	32	113	26	2.9	.40	1.3	13
25	24	29	20	13	33	29	106	24	2.0	.45	1.3	11
26	18	26	20	20	36	27	86	29	2.6	.40	1.2	8.0
27	15	22	19	32	112	28	74	24	2.5	.40	3.4	7.6
28	12	21	18	26	124	29	74	19	1.5	.25	176	7.0
29	10	21	17	21	------	34	182	18	1.7	.40	44	6.7
30	8.9	24	16	20	------	48	158	18	1.5	4.6	19	6.3
31	8.4	------	15	18	------	52	------	26	------	11	10	------
TOTAL	340.6	814.9	685	601	1,076	1,462	4,979	2,378	235.4	34.85	332.95	460.2
MEAN	11.0	27.2	22.1	19.4	38.4	47.2	166	76.7	7.85	1.12	10.7	15.3
MAX	45	100	44	40	124	124	331	195	26	11	176	106
MIN	2.7	7.4	15	12	14	27	59	18	1.5	.25	.45	1.6
CFSM	.55	1.37	1.11	.97	1.93	2.37	8.34	3.85	.39	.06	.54	.77
IN	.64	1.52	1.28	1.12	2.01	2.73	9.30	4.44	.44	.07	.62	.86

CAL YR 1970 TOTAL 13,697.55 MEAN 37.5 MAX 469 MIN .45 CFSM 1.88 IN 31.38
WTR YR 1971 TOTAL 13,399.90 MEAN 36.7 MAX 331 MIN .25 CFSM 1.84 IN 25.03

01187400 Valley Brook near West Hartland, Conn.

LOCATION.--Lat 42°02'03", long 72°55'49", Hartford County, on right bank just upstream from bridge on State Highway 20, a quarter of a mile south of Massachusetts-Connecticut State Line, 0.3 mile upstream from confluence with Hubbard River, and 2.25 miles northeast of West Hartland.

DRAINAGE AREA.--7.20 sq mi.

PERIOD OF RECORD.--February 1940 to current year. Monthly discharge only, for the period February 1940 to September 1960, published in WSP 1721. Daily figures for this period available upon request.

GAGE.--Water-stage recorder and stepped sharp-crested weir. Datum of gage is 554.60 ft above mean sea level.

AVERAGE DISCHARGE.--31 years, 13.9 cfs (26.22 inches per year).

EXTREMES.--Current year: Maximum discharge 339 cfs Sept 14 (gage height, 2.57 ft), minimum 0.11 cfs July 28 (gage height, 0.02 ft).
Period of record: Maximum discharge 3,400 cfs Aug. 19, 1955 (gage height, 11.1 ft), from rating curve extended above 95 cfs on basis of computation of peak flow over sharp-crested weir; minimum daily, 0.10 cfs Sept. 24, 1964 (gage height, 0.01 ft).

PEAK DISCHARGE--(Base, 200 cfs):

DATE	TIME	G.HT	DISCHARGE
8-28	1000	2.07	212
9-14	2345	2.57	339

REMARKS.--Records excellent.

COOPERATION.--Gage height record furnished by Water Bureau, Metropolitan District Commission, Hartford, Connecticut

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	2.6	6.9	5.2	6.1	26	25	25	10	.96	4.0	1.5
2	1.1	2.6	6.4	5.2	5.5	22	51	21	8.3	1.5	1.9	1.1
3	1.5	2.6	6.1	5.4	5.3	19	112	27	9.5	.96	1.5	1.1
4	2.8	2.8	17	6.4	6.6	18	79	30	9.8	.82	5.0	.96
5	1.7	10	12	12	6.4	16	56	27	7.5	.68	2.2	.82
6	1.5	6.6	9.2	13	6.4	14	48	22	6.6	.55	1.3	.82
7	1.1	4.8	7.2	9.2	6.1	16	53	19	5.5	.55	.96	.82
8	1.1	4.0	6.1	8.0	6.4	16	42	21	5.0	.42	.68	.82
9	.96	3.5	6.6	7.2	6.9	13	43	60	5.3	.42	.68	.68
10	.96	3.5	6.6	7.2	6.4	13	68	59	4.2	.42	.55	.68
11	.96	4.5	6.4	6.6	6.1	13	74	28	3.5	.42	.42	.68
12	.96	4.5	6.4	6.6	5.5	12	92	23	3.2	.30	.42	4.0
13	.96	4.5	6.6	6.1	7.8	12	105	41	3.2	.20	.42	4.0
14	.96	11	6.4	6.4	28	12	93	47	3.0	.20	.42	23
15	1.5	17	6.1	6.1	19	14	67	27	2.8	.20	.42	56
16	8.3	14	5.5	5.5	12	38	51	28	2.8	.20	.42	12
17	4.0	10	5.0	5.3	10	32	45	32	2.6	.30	.42	13
18	3.2	10	7.8	5.3	9.8	23	47	24	1.9	.55	.30	10
19	2.8	8.6	6.9	5.0	10	20	62	20	1.7	.82	.30	8.0
20	2.6	12	7.8	5.0	11	20	60	18	1.5	1.3	.68	6.1
21	2.6	23	6.9	5.5	12	17	51	16	1.5	.68	1.1	12
22	4.5	12	6.6	5.0	11	16	43	17	1.3	.42	1.7	8.6
23	21	12	6.4	5.0	14	15	48	15	1.1	.20	1.1	6.4
24	11	9.5	6.6	4.8	12	14	30	13	1.3	.20	.42	5.3
25	7.5	7.8	6.6	4.8	11	14	28	12	1.7	.20	.30	4.5
26	5.8	6.6	6.6	7.2	13	14	32	13	2.4	.20	.20	4.0
27	4.8	6.4	6.4	12	31	14	23	13	1.5	.20	2.8	4.0
28	4.2	6.4	6.4	8.0	31	14	23	14	1.1	.20	53	3.7
29	3.0	6.1	5.8	6.9	------	17	48	12	1.1	.20	8.6	3.7
30	2.8	7.5	5.5	6.6	------	21	32	11	.82	2.2	3.7	3.2
31	2.6	------	5.3	6.4	------	23	------	13	------	5.3	2.2	------
TOTAL	110.06	236.4	218.1	208.9	316.3	548	1,631	756	111.52	21.77	98.11	199.48
MEAN	3.55	7.88	7.04	6.74	11.3	17.7	54.4	24.4	3.72	.70	3.16	6.65
MAX	21	23	17	13	31	38	112	60	10	5.3	53	56
MIN	.96	2.6	5.0	4.8	5.3	12	23	11	.82	.20	.20	.68
CFSM	.49	1.09	.98	.94	1.57	2.46	7.56	3.39	.52	.10	.44	.92
IN.	.57	1.22	1.13	1.08	1.63	2.83	8.43	3.91	.58	.11	.51	1.03

CAL YR 1970 TOTAL 4,641.43 MEAN 12.7 MAX 164 MIN .20 CFSM 1.76 IN 23.90
WTR YR 1971 TOTAL 4,455.64 MEAN 12.2 MAX 112 MIN .20 CFSM 1.69 IN 23.02

CONNECTICUT RIVER BASIN

01187680 Cherry Brook near Canton Center, Conn.

LOCATION.--Lat 41°52'20", long 72°54'24", Hartford County, on left bank 400 ft downstream from Sweeton (West) Road, 1.3 miles northeast of Canton Center.

DRAINAGE AREA.--8.06 sq mi.

PERIOD OF DISCHARGE.--October 1966 to September 1971 (discontinued).

GAGE.--Non-recording gage and crest-stage indicator; gage read twice daily. Altitude of gage is 430 ft (from topographic map).

EXTREMES.--Maximum discharge 165 cfs Aug. 28 (gage height, 2.85 ft); minimum observed, 0.14 cfs Aug. 25, 26, Sept. 7-9.

Period of record: Maximum discharge 720 cfs Aug. 4, 1969 (gage height, 4.83 ft); minimum observed 0.05 cfs, Sept. 5-8, 1970 (gage height, 0.40 ft).

PEAK DISCHARGE.--(Base, 200 cfs): No peak above base.

REMARKS.--Records poor. No gage height record Dec 13 to Feb. 17; Feb. 19 to Mar. 22; Mar. 24 to Apr. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.27	2.0	5.1	4.2	4.6	34	28	16	10	9.1	4.0	2.1
2	.27	1.9	5.1	4.2	4.5	25	40	18	9.4	6.3	2.3	1.7
3	2.9	1.8	4.3	4.1	4.3	22	66	22	8.1	4.1	3.0	1.4
4	3.0	3.0	3.6	4.0	4.2	19	40	38	10	1.5	11	1.0
5	1.9	14	3.3	10	4.1	17	32	34	7.0	1.0	7.0	.34
6	1.5	3.6	5.6	8.4	4.1	16	29	17	11	.76	4.5	.18
7	1.3	2.6	6.0	7.0	4.0	23	56	16	9.1	.68	3.3	.14
8	1.0	2.3	5.1	6.3	4.0	37	45	18	8.8	.60	2.6	.14
9	.76	2.2	5.1	6.0	4.0	20	40	45	8.1	.56	2.1	.14
10	.65	1.8	5.6	5.7	4.0	23	47	32	7.0	.50	.50	32
11	.70	1.8	5.3	5.4	4.0	20	34	27	5.1	.47	.38	34
12	.70	2.6	5.0	5.2	4.0	17	30	22	3.1	.44	1.8	40
13	.70	2.8	4.8	5.0	10	16	28	70	2.9	.41	1.3	7.8
14	.70	13	4.8	4.9	20	15	26	40	2.7	.39	1.7	45
15	1.3	13	4.5	4.7	14	31	24	35	2.2	.37	.94	16
16	.88	11	4.3	4.6	11	58	22	37	1.9	.36	.50	13
17	.70	9.1	4.0	4.5	9.5	37	21	30	2.1	.35	.23	12
18	.70	7.3	6.2	4.3	8.7	31	20	25	1.9	.76	.20	11
19	.70	4.3	5.6	4.2	8.3	28	19	24	1.8	1.5	.18	1.9
20	.70	7.5	6.2	4.2	8.1	25	18	20	1.8	1.9	.18	1.6
21	1.2	6.6	5.6	4.1	8.0	22	18	18	1.2	1.4	.18	9.1
22	.88	8.4	5.0	4.1	7.7	21	18	15	1.2	1.0	.18	7.0
23	28	6.8	5.2	4.1	7.6	20	18	14	1.2	.70	.27	5.5
24	10	5.6	5.3	4.1	7.3	19	18	17	1.2	.60	.16	4.0
25	4.7	3.1	5.4	4.0	7.2	19	18	14	2.4	.45	.14	3.5
26	2.6	4.3	5.2	6.0	15	19	22	13	1.8	.34	.14	3.0
27	2.1	4.0	5.0	9.0	40	19	20	10	1.4	.30	2.8	2.5
28	2.2	3.8	4.8	6.3	30	19	22	9.4	1.2	.30	82	2.0
29	1.9	7.5	4.6	5.6	-------	25	55	8.4	1.2	.30	10	1.5
30	1.9	6.3	4.4	5.1	-------	35	31	8.4	1.2	4.9	2.9	1.0
31	1.9	-------	4.2	4.8	-------	30	-------	8.8	-------	4.1	2.6	-------
TOTAL	78.71	164.0	154.0	164.1	262.2	762	905	722.0	128.0	46.42	149.08	260.52
MEAN	2.54	5.47	4.97	5.29	9.36	24.6	30.2	23.3	4.27	1.50	4.81	8.68
MAX	28	14	6.2	10	40	58	66	70	11	9.1	82	45
MIN	.27	1.8	3.3	4.0	4.0	15	18	8.4	1.2	.30	.14	.14
CFSM	.32	.68	.62	.66	1.16	3.05	3.75	2.89	.53	.19	.60	1.08
IN.	.36	.76	.71	.76	1.21	3.52	4.18	3.33	.59	.21	.69	1.20

CAL YR 1970 TOTAL 5,292.43 MEAN 14.5 MAX 438 MIN .05 CFSM 1.80 IN 24.43
WTR YR 1971 TOTAL 3,796.03 MEAN 10.4 MAX 82 MIN .14 CFSM 1.29 IN 17.52

01187800 Nepaug River near Nepaug, Conn.

LOCATION.--Lat 41°49'14", long 72°58'14", Litchfield County, on left bank beside State Highway 25, a quarter of a mile upstream from Nepaug Reservoir, 1.75 miles southeast of Nepaug, and 2.4 miles west of Collinsville.

DRAINAGE AREA.--22.7 sq mi.

PERIOD OF RECORD.--January 1918 to September 1955, October 1957 to current year. Monthly discharge only, for periods January 1918 to September 1955, October 1957 to September 1960, published in WSP 1721. Daily figures for the periods January 1921 to September, 1955, September 1957 to September 1960, available upon request.

GAGE.--Water-stage recorder and stepped sharp-crested weir. Datum of gage is 505.54. ft above mean sea level.

AVERAGE DISCHARGE.--51 years (1918-55, 1957-71) 38.6 cfs (23.09 inches per year).

EXTREMES.--Current year: Maximum discharge 390 cfs Aug. 28 (gage height, 3.20 ft); minimum, 2.7 cfs Aug. 28 (gage height, 0.10 ft).
Period of record: Maximum discharge, about 10,000 cfs Aug. 19, 1955, estimated from a comparison of unit runoff of nearby streams; minimum daily, 0.2 cfs Aug. 26, 27, 1935.

PEAK DISCHARGE--(Base, 400 cfs): No peak above base.

REMARKS.--Records good.

COOPERATION.--Gage height record furnished by Water Bureau, Metropolitan District Commission, Hartford, Connecticut.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	8.5	20	17	18	134	97	55	36	8.5	13	14
2	5.6	8.5	18	18	17	107	133	48	27	33	10	11
3	6.0	8.5	17	17	17	83	246	62	32	12	10	9.5
4	16	10	46	18	17	67	171	91	29	8.5	57	9.0
5	10	20	40	40	17	65	128	64	24	6.5	24	8.0
6	8.5	17	29	51	17	61	103	53	20	5.6	14	7.0
7	7.5	13	25	39	19	77	121	46	17	5.1	10	7.5
8	6.5	11	22	28	19	97	128	50	17	4.3	8.5	7.0
9	6.0	10	19	24	24	72	124	107	38	3.9	7.0	7.0
10	6.0	10	20	24	26	58	160	117	21	3.9	6.0	6.5
11	6.0	14	19	22	24	54	133	72	16	3.9	11	6.0
12	5.1	14	17	20	20	49	129	58	15	3.9	20	78
13	5.1	16	21	19	24	47	128	113	14	3.4	11	71
14	4.7	57	20	17	65	46	122	177	14	3.4	8.0	277
15	5.1	47	20	18	65	64	95	82	12	3.4	6.0	186
16	31	44	23	17	56	168	80	80	11	3.9	5.6	71
17	17	27	31	17	44	154	72	91	11	3.9	4.3	46
18	11	21	37	16	37	103	68	67	9.5	6.0	3.9	39
19	9.0	22	29	14	33	82	66	57	8.5	6.0	3.9	34
20	8.0	33	31	11	38	89	63	50	8.0	10	3.9	28
21	7.5	65	27	13	49	83	58	46	7.5	6.0	3.9	49
22	8.0	40	24	16	48	72	56	49	7.0	4.7	3.9	39
23	38	38	22	14	58	70	49	42	6.5	3.9	3.4	28
24	30	32	22	14	63	67	46	37	6.0	3.9	3.4	24
25	19	24	22	14	56	57	51	35	6.0	3.4	3.4	20
26	14	20	22	19	56	57	49	36	8.0	3.9	3.0	19
27	12	19	20	29	117	58	45	31	6.5	4.3	16	18
28	10	19	19	31	180	66	44	28	5.6	3.9	237	17
29	9.5	18	17	27	------	85	79	27	4.7	3.4	78	17
30	9.0	22	17	22	------	100	71	31	4.7	13	29	16
31	8.5	------	17	20	------	97	------	39	------	16	18	------
TOTAL	345.6	708.5	733	666	1,222	2,489	2,913	1,941	442.5	205.5	644.1	1,169.5
MEAN	11.1	23.6	23.6	21.5	43.6	80.3	97.1	62.6	14.8	6.63	20.8	39.0
MAX	38	65	46	51	180	168	246	177	38	33	237	277
MIN	4.7	8.5	17	11	17	46	44	27	4.7	3.4	3.0	6.0
CFSM	.49	1.04	1.04	.95	1.92	3.54	4.28	2.76	.65	.29	.92	1.72
IN.	.57	1.16	1.20	1.09	2.00	4.08	4.77	3.18	.73	.34	1.06	1.92

CAL YR 1970 TOTAL 13,500.3 MEAN 37.0 MAX 500 MIN 2.7 CFSM 1.63 IN 22.14
WTR YR 1971 TOTAL 13,479.7 MEAN 36.9 MAX 277 MIN 3.0 CFSM 1.63 IN 22.09

01187859 Clear Brook near Collinsville, Conn.

LOCATION.--Lat 41°47'44", long 72°57'06", Hartford County, on right bank 200 ft upstream from Nepaug Reservoir beside Clear Brook, 1.75 miles southwest of Collinsville.

DRAINAGE AREA.--0.58 sq mi.

PERIOD OF RECORD.--January 1917 to current year. Monthly discharge only, for the period January 1917 to September 1960, published in WSP 1721. Daily figures for the period January 1921 to September 1960 available upon request.

GAGE.--Water-stage recorder and sharp-crested compound weir. Datum of gage is 491.21 ft above mean sea level.

AVERAGE DISCHARGE.--54 years, 1.61 cfs.

EXTREMES.--Current year: Maximum discharge, 26 cfs Sept. 14 (gage height, 2.21 ft); minimum daily 0.69 cfs Jan. 22-25.

Period of record: Maximum discharge, 56.5 cfs Aug. 19, 1955 (gage height, 2.41 ft), from rating curve extended above 6 cfs on basis of theoretical weir rating; minimum daily, 0.19 cfs Feb. 22, 23, 1950.

PEAK DISCHARGE.--(Base, 6.8 cfs):

DATE	TIME	G.HT	DISCHARGE
~~7-01~~	~~1730~~	~~2.01~~	~~21~~
8-28	0630	1.71	18
9-14	1900	2.21	26

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.79	.80	.76	.80	1.5	1.3	1.3	1.7	2.1	2.0	1.5	1.2
2	.79	.80	.73	.77	1.3	1.3	1.7	1.7	2.0	2.0	1.5	1.2
3	1.0	.78	.74	.77	1.3	1.3	2.4	2.2	2.3	1.8	1.4	1.2
4	.91	.81	1.0	.77	1.3	1.3	1.9	2.0	2.1	1.8	1.6	1.2
5	.80	1.0	.74	1.1	1.3	1.3	1.7	1.9	2.0	1.7	1.6	1.2
6	.77	.79	.73	.84	1.3	1.3	1.8	1.9	2.0	1.7	1.5	1.2
7	.77	.78	.73	.84	1.3	1.3	2.2	1.9	2.0	1.7	1.3	1.2
8	.76	.77	.73	.84	1.3	1.3	1.9	2.3	2.0	1.7	1.3	1.1
9	.77	.77	.73	.84	1.3	1.3	2.0	2.5	2.0	1.7	1.5	1.2
10	.77	.83	.74	.84	1.3	1.3	2.1	2.5	1.9	1.7	1.5	1.3
11	.77	.82	.73	.84	1.3	1.3	2.2	2.1	1.9	1.7	1.6	1.2
12	.76	.77	.73	.84	1.3	1.3	2.3	2.1	1.9	1.6	1.6	1.0
13	.75	1.1	.73	.84	1.5	1.3	2.3	3.1	1.9	1.6	1.5	1.0
14	.75	.93	.73	.84	1.3	1.3	2.1	2.5	1.9	1.7	1.5	3.5
15	.94	1.0	.73	.84	1.3	1.4	1.9	2.5	1.9	1.6	1.5	2.4
16	.88	.80	1.3	.84	1.3	1.5	1.8	2.6	1.9	1.6	1.5	2.0
17	.79	.77	1.3	.84	1.3	1.3	1.8	2.4	1.8	1.5	1.2	1.8
18	.79	.77	1.0	.84	1.3	1.0	1.7	2.3	1.8	1.7	1.2	1.7
19	.78	.87	.97	.84	1.3	.92	1.7	2.2	1.9	1.5	1.3	1.6
20	.77	1.0	.81	.84	1.3	1.0	1.7	2.2	1.8	1.6	1.2	1.7
21	.79	1.0	.77	.78	1.3	1.5	1.7	2.2	1.8	1.6	1.2	2.1
22	.86	1.1	.77	.69	1.3	1.4	1.6	2.2	1.8	1.5	1.2	1.7
23	1.2	.90	.77	.69	1.3	1.3	1.5	2.1	1.8	1.5	1.1	1.6
24	.82	.78	.80	.69	1.3	1.2	1.6	2.1	1.7	1.6	1.1	1.6
25	.80	.76	.80	.69	1.3	1.1	1.7	2.2	1.8	1.6	1.1	1.6
26	.80	.77	.80	.95	1.3	1.1	1.6	2.2	1.8	1.6	1.5	1.6
27	.80	.77	.79	1.4	1.4	1.1	1.6	2.1	1.7	1.5	2.5	1.6
28	.79	.77	.79	1.5	1.3	1.1	1.9	2.1	1.7	1.6	2.0	1.6
29	.78	.77	.80	1.3	------	1.2	2.0	2.0	1.7	1.7	1.5	1.5
30	.79	.80	.78	1.3	------	1.2	1.8	2.3	1.7	1.8	1.5	1.5
31	.80	------	.79	1.3	------	1.2	------	2.2	------	1.4	1.2	------
TOTAL	25.36	25.56	25.30	28.10	37.0	39.92	55.5	67.0	56.5	52.6	43.3	48.1
MEAN	.82	.85	.82	.91	1.32	1.29	1.85	2.16	1.88	1.70	1.40	1.60
MAX	1.2	1.1	1.3	1.5	1.5	1.6	2.4	3.1	2.3	2.0	2.0	3.5
MIN	.75	.76	.73	.69	1.3	.92	1.3	1.7	1.7	1.4	1.1	1.1

CAL YR 1970 TOTAL 598.10 MEAN 1.64 MAX 5.2 MIN .73
WTR YR 1971 TOTAL 504.64 MEAN 1.38 MAX 3.5 MIN .69

01187980 Farmington River at Collinsville, Conn.

LOCATION.--Lat 41°47'57", long 72°55'33", Litchfield County, on left bank at abandoned hydroelectric plant, three quarters of a mile south of Collinsville, and at mile 39.8.

DRAINAGE AREA.--354 sq mi.

PERIOD OF RECORD.--November 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 245.22 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage and diversion).--8 years, 577 cfs (22.10 inches per year).

EXTREMES.--Current year: Maximum discharge, 2,370 cfs May 14 (gage height, 7.46 ft); minimum 76 cfs Aug. 10 (gage height, 3.11 ft).
Period of record: Maximum discharge, 12,200 cfs August 5, 1969 (gage height, 13.79 ft); minimum 4.7 cfs August 10, 1966 (gage height, 2.06 ft); minimum daily, 5.6 cfs July 11, 1965.
Flood of August 19, 1955, reached a stage of 35.6 ft from floodmark (discharge, 140,000 cfs, by slope-area measurement half a mile downstream.

REMARKS.--Records good. Flow regulated by Otis Reservoir, Colebrook River Reservoir, West Branch Reservoir, Mad River Detention Reservoir, Sucker Brook Reservoir, Highland Lake, Barkhamsted, East Branch and Nepaug Reservoirs (see p. 83), and by diversion for municipal supply from Barkhamsted and Nepaug Reservoirs.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	176	199	243	300	885	651	820	505	514	280	672
2	143	232	200	249	270	773	770	610	358	504	400	508
3	144	221	204	255	250	688	1,580	866	368	400	290	507
4	148	316	267	252	240	641	1,460	1,330	363	300	180	697
5	155	235	350	340	230	624	1,060	1,120	330	190	90	669
6	150	197	350	391	225	561	798	760	275	190	90	601
7	150	167	300	301	220	567	793	796	291	365	100	488
8	313	124	250	252	250	698	944	777	296	370	200	525
9	327	136	305	238	280	680	715	1,140	363	351	180	699
10	307	163	350	218	320	834	905	1,710	297	344	77	710
11	291	170	400	222	370	761	928	1,190	218	345	92	702
12	298	182	420	208	300	765	1,240	649	252	357	180	796
13	322	226	350	185	263	750	1,410	1,090	115	348	190	771
14	311	351	400	166	240	737	1,610	1,800	160	339	190	1,070
15	310	350	400	227	704	748	1,550	1,560	300	327	140	527
16	427	260	329	210	668	826	1,450	1,020	280	325	150	330
17	312	172	291	202	959	941	1,150	1,350	250	340	130	300
18	264	154	320	198	500	831	895	1,260	300	348	127	150
19	313	192	296	190	460	750	940	901	250	347	110	110
20	257	202	291	180	462	716	1,280	661	120	352	97	250
21	272	200	290	170	521	670	1,280	719	280	347	95	250
22	229	161	266	160	506	640	1,110	736	280	355	97	709
23	443	231	306	150	554	638	841	680	250	299	93	736
24	436	250	291	180	560	560	737	630	280	190	87	689
25	334	200	281	210	607	436	637	980	430	166	87	635
26	271	190	267	220	560	440	790	559	430	166	150	609
27	255	300	260	250	872	417	724	491	427	166	494	653
28	200	250	267	265	978	420	731	495	419	110	1,290	662
29	170	300	267	270	------	501	1,020	440	423	180	811	652
30	143	206	263	250	------	620	1,170	395	424	300	629	610
31	137	------	258	230	------	636	------	446	------	290	512	------
TOTAL	7,911	6,660	9,309	7,090	12,326	20,966	31,120	27,306	9,094	9,363	7,178	16,589
MEAN	255	222	300	229	440	676	1,038	881	303	302	232	553
MAX	443	350	400	391	978	941	1,610	1,800	505	514	1,290	1,070
MIN	137	124	199	150	220	417	637	395	115	110	77	110
(†)	-69	+167	+21	+112	+210	+242	+922	+295	-98	-203	+4	-148
MEANa	186	389	321	341	650	918	1,960	1,176	205	99	236	405
CFSMa	0.53	1.10	0.91	0.96	1.84	2.59	5.54	3.33	0.58	0.28	0.67	1.14
INa	0.61	1.23	1.05	1.11	1.92	2.99	6.18	3.84	0.65	0.32	0.77	1.27

CAL YR 1970 TOTAL 207,312 MEAN 568 MAX 4,500 MIN 124 MEANa 619 CFSMa 1.75 INa 23.59
WTR YR 1971 TOTAL 164,912 MEAN 452 MAX 1,800 MIN 77 MEANa 572 CFSMa 1.62 INa 21.94

†Change in contents in Otis Reservoir, Colebrook River Reservoir, West Branch Reservoir, Mad River Detention Reservoir, Sucker Brook Reservoir, Highland Lake, Barkhamsted, East Branch and Nepaug Reservoirs, and diversion from Barkhamsted and Nepaug Reservoirs, equivalent in cubic feet per second; furnished by the Metropolitan District Commission, Corps of Engineers, Union Pin Company, and Massachusetts Department of Natural Resources, Division of Forests and Parks.

aAdjusted for change in contents and diversion.

01188000 Burlington Brook near Burlington, Conn.

LOCATION.--Lat 41°47'10", long 72°57'55", Hartford County, on left bank 1.25 miles north of Burlington, 3 miles upstream from mouth, and 3 miles southwest of Collinsville.

DRAINAGE AREA.--4.12 sq mi.

PERIOD OF RECORD.--September 1931 to current year.

GAGE.--Water-stage recorder and compound sharp-crested weir. Datum of gage is 714.00 ft above mean sea level.

AVERAGE DISCHARGE.--40 years, 7.81 cfs (25.74 inches per year).

EXTREMES.--Current year: Maximum discharge, 191 cfs Sept. 14 (gage height, 5.46 ft); minimum, 0.66 cfs June 19 (gage height 1.48 ft).

Period of record: Maximum discharge, 1,690 cfs Aug. 19, 1955 (gage height, 9.22 ft), from rating curve extended above 320 cfs on basis of computation of flow through orifice and over weir and abutment at 676 cfs and 1,690 cfs; minimum, 0.12 cfs June 22, 1965.

PEAK DISCHARGE.--(base, 140 cfs):

DATE	TIME	G.HT	DISCHARGE
8-28	1030	5.45	190
9-14	2200	5.46	191

REMARKS.--Records excellent. Occasional regulation at low flow. Flow records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.7	3.4	2.8	3.0	21	22	9.3	6.6	15	3.5	3.2
2	1.3	1.6	3.1	3.0	2.5	16	31	8.2	5.2	15	3.0	2.8
3	2.2	1.6	3.0	3.0	2.4	12	52	13	7.0	4.0	2.4	2.4
4	3.1	1.9	6.6	3.3	2.3	11	29	16	5.6	3.0	11	2.4
5	1.9	4.1	4.9	13	2.4	10	21	10	4.3	2.4	4.2	2.4
6	1.6	2.7	4.0	8.5	2.5	4.5	17	8.7	3.9	2.3	2.6	2.3
7	1.5	2.2	3.4	5.6	4.0	16	22	7.7	3.6	2.0	2.0	2.4
8	1.6	2.3	3.0	4.4	4.5	16	23	13	3.6	1.9	1.8	2.3
9	1.3	1.9	3.0	4.3	6.0	9.7	23	25	4.1	1.8	1.7	2.2
10	1.5	2.1	3.1	3.6	5.0	8.0	32	20	3.3	1.8	1.5	1.9
11	1.3	2.6	3.0	3.5	4.0	7.9	22	12	3.0	1.8	2.6	2.0
12	1.2	2.4	3.4	3.4	3.5	7.1	19	9.7	3.0	1.8	5.4	20
13	1.2	5.2	3.4	3.4	4.0	7.0	16	33	3.0	1.6	2.6	16
14	1.2	4.6	3.2	3.3	26	7.0	16	24	3.0	2.0	2.0	91
15	2.3	8.4	3.1	3.1	10	19	12	13	2.8	1.7	1.8	69
16	3.0	5.6	3.2	2.9	6.0	48	11	16	2.7	1.6	1.7	19
17	1.9	3.7	6.0	2.7	3.8	28	9.9	15	2.5	2.1	1.5	11
18	1.6	3.1	6.3	2.5	3.8	18	8.4	11	2.2	2.8	1.4	9.2
19	1.5	4.8	4.5	2.4	4.5	15	8.8	9.6	1.4	3.1	1.3	7.6
20	1.4	7.4	4.8	2.2	5.8	19	8.4	8.5	1.1	3.2	1.3	7.0
21	1.4	10	4.1	2.2	7.8	15	8.2	8.2	1.8	2.2	1.3	17
22	2.0	4.8	3.8	2.5	7.4	13	7.7	8.2	1.9	1.9	1.2	9.4
23	6.4	6.8	3.8	2.7	11	14	7.3	7.3	1.9	1.6	2.5	7.3
24	3.4	4.5	3.8	3.0	9.6	12	7.1	6.4	1.9	1.6	1.2	6.6
25	2.4	3.6	3.6	3.7	7.9	11	8.5	6.6	1.9	2.0	1.1	6.0
26	2.1	3.2	3.6	4.5	7.9	11	8.3	8.7	2.0	1.9	1.1	5.6
27	2.1	3.2	3.4	7.3	33	12	7.3	6.6	1.8	1.8	11	5.2
28	1.9	3.3	3.2	5.3	29	16	6.3	5.8	1.5	1.5	71	4.9
29	1.9	3.2	3.0	4.3	-------	22	17	5.2	1.8	1.8	12	4.9
30	1.8	3.8	3.3	4.3	-------	23	11	7.9	1.8	4.8	5.4	4.5
31	1.7	-------	2.8	3.5	-------	22	-------	8.6	-------	4.9	3.9	-------
TOTAL	60.6	119.1	118.3	122.5	216.4	475.2	449.9	361.2	90.3	96.9	166.9	323.3
MEAN	1.95	3.97	3.82	3.95	7.73	15.3	15.0	11.7	3.01	3.13	5.38	10.8
MAX	6.4	10	6.6	13	33	48	52	33	7.0	15	71	91
MIN	1.2	1.6	2.8	2.2	2.3	7.0	7.1	5.2	1.1	1.5	1.1	1.9
CFSM	.47	.96	.93	.96	1.88	3.71	3.64	2.84	.73	.76	1.31	2.62
IN.	.55	1.08	1.07	1.11	1.95	4.29	4.07	3.26	.82	.87	1.51	2.92

CAL YR 1970 TOTAL 2,541.44 MEAN 6.96 MAX 101 MIN .73 CFSM 1.69 IN 22.95
WTR YR 1971 TOTAL 2,640.63 MEAN 7.23 MAX 91 MIN 1.1 CFSM 1.75 IN 23.84

01189000 Pequabuck River at Forestville, Conn.

LOCATION.--Lat 41°40'23", long 72°54'04", Hartford County, on left bank 500 ft upstream from bridge on Central Street, a quarter of a mile downstream from Copper Mine Brook, and 6.5 miles upstream from mouth.

DRAINAGE AREA.--45.2 sq mi.

PERIOD OF RECORD.--July 1941 to current year.

GAGE.--Water-stage recorder. Datum of gage is 197.72 ft above mean sea level (levels by Connecticut State Water Commission).

AVERAGE DISCHARGE(adjusted for storage and diversion).--30 years, 82.9 cfs (24.91 inches per year).

EXTREMES.--Current year: Maximum discharge, 500 cfs May 13 (gage height, 2.48 ft); minimum 14 cfs Oct 3 (gage height, 0.83 ft).

Period of record: Maximum discharge, 11,700 cfs Aug. 19, 1955 (gage height, 13.22 ft from high-water mark in gage house), from rating curve extended above 2,100 cfs on basis of slope-area measurement at gage heights, 7.3 and 13.22 ft; minimum 6.5 cfs Sept. 21, 22, 1941 (gage height, 0.64 ft).

Flood of September 1938 reached a stage of about 7.3 ft from floodmarks (discharge 3,800 cfs on basis of slope-area measurement of peak flow and computation of peak flow over dam).

PEAK DISCHARGE.--(Base, 800 cfs): No peak above base.

REMARKS.--Records good. Flow regulated by Whigville Reservoir (see p. 83) and mills upstream. Diversion for municipal supply of city of New Britain from Whigville Reservoir and Copper Mine Brook.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	19	31	26	25	200	200	72	52	76	35	25
2	16	20	28	25	22	140	280	63	42	50	30	24
3	57	20	27	26	21	110	450	109	88	23	25	22
4	34	20	43	30	20	100	250	122	49	18	110	20
5	21	50	41	110	21	90	180	86	39	19	40	18
6	18	25	35	70	23	75	150	70	33	23	23	18
7	18	21	31	50	30	120	170	65	33	23	18	20
8	17	19	28	40	60	140	170	113	38	21	17	23
9	18	20	27	35	52	90	190	158	37	22	20	24
10	18	26	27	30	42	75	260	147	31	19	21	23
11	17	25	27	30	35	68	200	101	28	18	34	20
12	18	23	27	29	34	62	160	83	27	21	56	145
13	19	44	27	28	50	62	140	270	26	19	24	100
14	19	67	27	27	220	62	120	220	27	25	19	192
15	70	63	27	26	90	100	110	124	26	20	17	157
16	45	46	27	25	50	300	95	158	26	19	20	86
17	24	32	29	23	35	350	87	144	25	23	19	60
18	20	28	37	21	35	170	80	103	24	20	19	47
19	19	41	37	20	40	130	77	88	22	28	18	40
20	19	49	38	19	50	150	71	80	21	24	19	37
21	18	81	37	20	65	140	69	79	23	21	19	48
22	27	40	37	22	70	120	71	76	24	21	17	51
23	62	44	35	24	100	120	61	65	23	20	17	38
24	29	37	33	27	80	110	62	59	24	22	17	37
25	24	32	33	30	65	100	67	56	31	22	17	32
26	23	28	33	35	70	100	61	68	33	21	17	29
27	22	27	31	60	150	100	58	54	20	20	109	28
28	21	26	30	40	250	120	66	47	22	19	310	27
29	20	26	28	37	------	170	116	41	23	18	90	27
30	20	31	29	33	------	200	84	63	23	45	38	26
31	19	------	28	29	------	190	------	59	------	50	30	------
TOTAL	789	1,030	975	1,047	1,785	4,064	4,155	3,043	940	790	1,265	1,444
MEAN	25.5	34.3	31.5	33.8	63.8	131	139	98.2	31.3	25.5	40.8	48.1
MAX	70	81	43	110	250	350	450	270	88	76	310	192
MIN	16	19	27	19	20	62	58	41	20	18	17	18
(†)	+8.5	+10.7	+10.2	+10.6	+15.8	+22.6	+11.4	+8.4	+7.7	+8.3	+9.7	+14.1
MEAN‡	34.0	45.0	41.7	44.4	79.6	154	150	107	39.0	33.8	50.5	62.2
CFSM‡	0.75	1.00	0.92	0.98	1.76	3.41	3.32	2.37	0.86	0.75	1.12	1.38
IN‡	0.86	1.12	1.06	1.13	1.83	3.93	3.70	2.73	0.96	0.86	1.29	1.54

CAL YR 1970 TOTAL 26,490 MEAN 72.6 MAX 886 MIN 16 MEAN‡ 79.9 CFSM‡ 1.77 IN‡ 24.02
WTR YR 1971 TOTAL 21,327 MEAN 58.4 MAX 450 MIN 16 MEAN‡ 69.9 CFSM‡ 1.55 IN‡ 21.01

†Change in contents in Whigville Reservoir, diversion for municipal supply of city of New Britain from Whigville Reservoir, and at Whites Bridge pumping plant, equivalent in cubic feet per second; records furnished by city of New Britain.

‡Adjusted for diversion and change in contents.

01189180 Hop Brook at West Simsbury, Conn.

LOCATION.--41°52'28", long 72°51'42", Hartford County, at culvert on West Mountain Road at West Simsbury.

DRAINAGE AREA.--1.23 sq mi.

PERIOD OF RECORD.--October 1966 to September 30, 1971 (discontinued).

GAGE.--Non-recording gage. Altitude of gage is 315 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge 17 cfs Apr 3 (gage height, 1.79 ft); minimum observed, 0.13 cfs Oct. 29-31 (gage height, 1.02 ft).

Period of record: Maximum discharge 196 cfs Apr. 2, 1970 (gage height record, 3.33 ft); minimum observed, 0.05 cfs Aug. 13, 17-19, 1970 (gage height, 0.94 ft).

PEAK DISCHARGE--(Base, 20 cfs): No peak above base.

REMARKS.--Records poor. Flow affected by storage and diversion from Simsbury (Tuller) Reservoir by the Village Water Company.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.14	.14	.67	.32	.55	4.7	7.3	3.1	1.4	3.7	.84	.43
2	.14	.14	.67	.32	.52	3.5	9.6	2.8	1.3	2.1	.74	.41
3	.14	.14	.61	.46	.84	2.7	17	3.8	1.5	1.0	.66	.39
4	.32	.17	.74	.41	.84	3.1	9.6	5.3	1.3	.79	1.7	.39
5	.17	.34	.68	1.4	2.2	1.0	7.6	3.1	1.2	.70	.95	.36
6	.17	.22	.64	1.3	1.3	1.1	6.7	2.8	1.0	.66	.74	.34
7	.16	.21	.60	1.1	.59	4.1	9.6	2.9	1.0	.59	.52	.34
8	.16	.19	.55	.90	.95	2.5	9.2	2.8	.95	.59	.45	.34
9	.16	.19	.52	.80	.95	1.2	9.2	6.1	1.4	.55	.46	.32
10	.16	.21	.50	.74	.84	1.0	9.6	8.7	.95	.49	.43	.34
11	.14	.26	.46	.70	.70	1.2	8.4	5.3	.84	.55	.41	.32
12	.14	.24	.45	.68	.70	2.2	7.8	3.9	.79	.43	.46	2.1
13	.14	.24	.43	.67	2.9	1.3	6.9	11	.79	.55	.25	1.0
14	.16	.42	.41	.66	2.5	1.3	5.7	7.6	.74	.62	.23	4.7
15	.22	.49	.36	.66	2.0	1.4	5.3	4.1	.66	.52	.21	2.5
16	.30	.37	.36	.70	1.5	3.8	4.7	5.1	.62	.55	.21	1.4
17	.19	.30	1.6	.76	1.0	7.3	4.3	5.5	.62	.55	.21	1.0
18	.22	.28	1.2	.70	.79	5.9	3.7	3.3	.59	.66	.21	1.0
19	.21	.40	.70	.68	.84	5.1	3.5	2.7	.79	.84	.21	.84
20	.21	.37	.55	.66	1.2	4.3	2.7	2.5	.46	.66	.21	.74
21	.19	.93	.55	.66	.95	3.7	2.4	2.3	.43	.59	.21	1.4
22	.24	.88	.53	.66	.95	5.3	2.2	2.5	.41	.55	.21	.90
23	.72	1.2	.52	.65	1.8	5.5	2.0	2.1	.41	.52	.21	.66
24	.26	.90	.50	.65	1.1	5.3	1.8	1.7	.41	.52	.19	.59
25	.21	.76	.48	.64	1.2	4.7	2.2	1.8	.34	.59	.19	.55
26	.17	.72	.46	1.4	1.4	5.1	2.0	1.7	.34	.55	.17	.55
27	.16	.72	.43	1.3	3.9	4.7	1.9	1.6	.32	.55	.36	.52
28	.14	.67	.43	1.2	6.7	5.9	2.0	1.4	.32	.52	8.7	.49
29	.13	.83	.41	1.0	------	7.1	5.7	1.4	.29	.52	2.1	.49
30	.13	.77	.32	.85	------	8.7	4.9	1.5	.21	.70	.66	.49
31	.13	------	.32	.74	------	8.0	------	1.7	------	1.0	.52	------
TOTAL	6.13	13.70	17.65	24.37	41.71	122.7	175.9	112.1	22.38	23.71	23.66	25.90
MEAN	.20	.46	.57	.79	1.49	3.96	5.85	3.62	.75	.76	.76	.86
MAX	.72	1.2	1.6	1.4	6.7	8.7	17	11	1.5	3.7	8.7	4.7
MIN	.13	.14	.32	.32	.52	1.0	1.8	1.4	.21	.43	.17	.32

CAL YR 1970 TOTAL 907.26 MEAN 2.49 MAX 62 MIN .05
WTR YR 1971 TOTAL 609.51 MEAN 1.67 MAX 17 MIN .13

01189200 Stratton Brook near Simsbury, Conn.

LOCATION.--Lat 41°52'12", long 72°49'29", Hartford County, on right bank upstream from bridge on Farms Village Road, 400 ft upstream from mouth and one mile west of Simsbury.

DRAINAGE AREA.--4.06 sq mi (excluding 1.39 sq mi of drainage area of Stratton Brook).

PERIOD OF RECORD.--Water years 1961-63 (occasional low-flow measurements), water years 1964-66 (occasional low-flow measurements and annual maximum). October 1966 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 210 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge 65 cfs Aug. 28 (gage height, 1.45 ft); minimum, 1.7 cfs Sept. 10 (gage height, 0.52 ft).

Period of record: Maximum discharge 176 cfs April 2, 1970 (gage height, 2.08 ft); minimum, 0.5 cfs September 20-24, 1968 (gage height, 0.48 ft).

PEAK DISCHARGE.--(Base, 30 cfs):

DATE	TIME	G.HT	DISCHARGE
4-03	0445	1.19	31
5-13	2000	1.25	38
7-01	2130	1.25	38
8-28	0800	1.45	65

REMARKS:--Records good. Water diverted from basin for water supply for town of Simsbury from wells near town pool by the Village Water Company.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	1.8	3.3	2.7	3.1	13	15	12	9.2	7.3	4.2	2.8
2	2.5	1.8	2.9	2.6	3.0	12	17	11	8.0	11	3.6	2.8
3	3.4	1.8	2.9	2.6	2.9	10	26	14	9.6	6.2	4.2	2.6
4	4.5	2.5	6.2	3.2	2.8	10	19	16	8.0	5.2	9.6	2.6
5	2.9	4.5	4.2	5.9	2.7	8.8	16	11	7.3	5.2	4.3	2.5
6	2.5	4.3	3.6	5.4	2.6	8.4	15	11	5.9	5.2	3.6	2.5
7	2.5	3.5	3.3	4.5	2.6	12	20	10	7.0	4.5	3.3	2.5
8	2.3	3.1	3.0	3.6	2.5	12	20	11	8.0	4.2	2.9	2.5
9	2.3	3.0	2.8	3.0	2.5	9.6	19	17	11	7.3	2.8	2.3
10	2.3	3.0	2.7	2.9	2.5	8.8	19	17	7.3	5.6	2.8	1.9
11	2.3	2.9	2.6	2.8	2.5	8.8	16	12	7.0	4.3	6.2	2.1
12	2.3	2.9	2.5	2.7	2.5	8.0	15	11	6.2	4.3	7.0	12
13	2.5	4.0	2.5	2.7	4.5	8.4	14	21	6.2	4.2	3.6	6.6
14	2.8	5.2	2.4	2.6	7.6	8.8	14	19	6.2	4.3	3.1	14
15	3.4	6.6	2.4	2.6	6.2	11	12	13	5.9	3.6	2.9	9.2
16	4.3	4.0	2.3	2.6	5.3	20	12	15	5.6	3.6	2.8	4.3
17	3.4	3.2	7.0	2.6	4.7	17	11	15	5.2	4.2	2.8	4.5
18	3.4	3.0	5.0	2.5	4.7	15	10	12	4.2	3.6	2.6	3.6
19	2.5	4.2	4.0	2.5	4.3	13	10	11	3.8	4.5	2.5	2.9
20	2.2	7.4	3.5	2.5	6.2	15	9.6	10	4.0	4.5	2.5	2.9
21	2.5	6.0	3.2	2.5	6.6	15	9.6	10	4.0	4.0	2.5	6.2
22	2.9	5.0	3.1	2.5	5.2	14	9.6	11	3.6	3.6	2.3	4.5
23	6.6	4.0	3.2	2.5	9.2	14	8.8	9.6	3.6	3.4	2.2	3.4
24	3.6	3.5	3.1	2.5	7.6	13	8.8	9.2	4.2	3.3	2.1	3.1
25	2.5	3.1	3.2	2.5	6.6	12	9.2	9.2	5.2	3.6	2.2	2.9
26	2.2	3.0	3.1	5.0	7.0	11	8.0	10	4.8	3.1	2.1	3.1
27	2.1	2.9	3.0	4.3	14	12	8.0	9.6	4.0	3.4	8.0	2.9
28	1.8	2.8	2.9	3.8	15	13	9.6	8.8	3.8	2.8	27	2.9
29	1.8	2.8	2.7	4.0	------	15	19	10	3.6	3.3	6.2	2.9
30	1.8	2.8	2.6	3.8	------	15	15	10	3.6	5.6	3.6	2.8
31	1.8	------	2.5	3.8	------	16	------	10	------	5.6	3.3	------
TOTAL	86.4	108.6	101.7	99.7	146.9	379.6	415.2	376.4	176.0	144.5	138.8	121.8
MEAN	2.79	3.62	3.28	3.22	5.25	12.2	13.8	12.1	5.87	4.66	4.48	4.06
MAX	6.6	7.4	7.0	5.9	15	20	26	21	11	11	27	14
MIN	1.8	1.8	2.3	2.5	2.5	8.0	8.0	8.8	3.6	2.8	2.1	1.9

CAL YR 1970 TOTAL 2,977.5 MEAN 8.16 MAX 72 MIN 1.8

WTR YR 1971 TOTAL 2,295.6 MEAN 6.29 MAX 27 MIN 1.8

01189210 Hop Brook near Simsbury, Conn.

LOCATION.--Lat 41°52'23", long 72°49'26", Hartford County, on right bank in rear of Simsbury High School on Farms Village Road, one mile west of Simsbury.

DRAINAGE AREA.--9.71 sq mi (excluding 1.39 sq mi of drainage area of Stratton Brook).

PERIOD OF RECORD.--October 1966 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 200 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge 129 cfs Aug.28 (gage height, 3.04 ft); minimum, 3.7 cfs Aug. 26 (gage height, 0.66 ft).
Period of record: Maximum discharge 256 cfs April 2, 1970 (gage height, 4.42 ft); minimum 2.6 cfs October 5, 1969.

PEAK DISCHARGE.--(base, 100 cfs):

DATE	TIME	G.HT	DISCHARGE
8-28	0600	3.04	129

REMARKS.--Records good. Some diversion from Simsbury (Tuller) Reservoir and by pumpage from two wells near the town pool on Stratton Brook by the Village Water Company of Simsbury.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.6	6.5	5.6	9.6	44	36	30	17	14	8.2	6.8
2	4.2	4.6	5.6	5.9	5.5	38	43	25	14	21	6.6	6.5
3	7.9	4.8	5.2	5.6	9.4	33	58	32	16	9.7	7.6	5.9
4	9.4	7.3	12	6.5	5.2	32	44	37	15	7.9	16	6.2
5	5.9	12	9.4	13	9.1	27	38	28	12	7.9	8.5	5.6
6	5.0	7.3	7.0	12	5.0	25	38	24	11	6.5	6.5	5.6
7	4.8	5.0	6.2	5.4	8.9	34	53	23	12	6.2	5.6	5.6
8	4.6	4.6	5.0	7.6	8.8	36	48	27	13	5.3	5.0	5.6
9	4.6	4.2	4.8	6.5	8.8	27	48	43	18	8.2	5.0	5.6
10	4.6	4.4	5.0	6.2	8.7	25	46	44	12	6.5	4.8	5.6
11	4.4	4.8	5.0	6.2	8.7	25	40	32	11	5.6	11	5.3
12	4.6	4.6	5.0	6.1	8.7	22	33	27	11	5.6	12	27
13	4.6	9.4	5.3	6.0	10	22	36	56	11	5.3	6.8	16
14	4.6	12	5.6	5.9	9.6	24	34	50	11	5.6	5.5	35
15	7.0	14	5.3	5.9	9.2	37	31	34	10	5.0	5.3	22
16	9.1	8.8	5.6	5.9	8.8	63	30	40	10	4.8	5.3	12
17	6.5	6.8	15	5.9	8.6	53	28	38	9.7	6.2	4.8	11
18	7.6	6.2	11	5.5	8.6	44	27	31	8.2	6.8	4.8	10
19	4.8	9.4	7.6	5.9	11	40	26	29	6.8	7.3	4.8	8.8
20	4.4	14	7.9	5.5	15	44	26	26	7.3	7.3	4.6	8.8
21	5.0	14	7.9	5.8	18	40	25	26	6.8	5.9	4.6	14
22	6.8	9.7	6.5	5.8	13	39	24	26	6.5	5.3	4.4	11
23	16	11	6.8	5.8	26	38	24	22	6.5	5.3	4.2	9.7
24	9.1	7.3	6.8	5.8	21	35	23	20	7.6	5.3	4.0	8.8
25	6.5	6.5	6.8	5.8	19	32	22	21	5.4	5.6	4.2	8.5
26	5.6	5.5	6.5	16	20	31	22	20	5.1	5.6	3.9	8.2
27	5.0	5.9	6.5	14	44	31	21	18	7.9	5.3	25	8.2
28	5.0	5.6	6.2	13	47	34	21	17	7.0	4.8	70	8.2
29	4.8	5.3	5.9	11	------	38	46	17	6.5	5.0	16	7.9
30	4.8	7.3	5.6	10	------	40	34	18	6.5	8.8	10	7.6
31	4.8	------	5.3	10	------	37	------	19	------	9.4	7.6	------
TOTAL	186.4	227.3	210.5	240.9	397.2	1,090	1,025	900	305.8	219.0	293.2	307.0
MEAN	6.01	7.58	6.80	7.77	14.2	35.2	34.2	29.0	10.3	7.06	9.46	10.2
MAX	16	14	15	16	47	63	58	56	18	21	70	35
MIN	4.2	4.2	4.8	5.6	8.6	22	21	17	6.5	4.8	3.9	5.3

CAL YR 1970 TOTAL 6,196.5 MEAN 17.0 MAX 136 MIN 3.7
WTR YR 1971 TOTAL 5,406.7 MEAN 14.8 MAX 70 MIN 3.9

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CONNECTICUT RIVER BASIN

01189390 East Branch Salmon Brook at Granby, Conn.

LOCATION.--Lat 41°57'15", long 72°46'48", Hartford County, on downstream right bank at bridge on State Highway 20, 0.5 mile east of Granby, 1.0 mile upstream from West Branch Salmon Brook, and 1.8 miles downstream from Manitook Lake.

DRAINAGE AREA.--38.6 sq mi.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 160.74 ft above mean sea level.

AVERAGE DISCHARGE.--8 years, 53.4 cfs (18.79 inches per year).

EXTREMES.--Current year: Maximum discharge, 382 cfs Apr. 3 (gage height, 3.46 ft); minimum 8.0 cfs Aug. 26 (gage height, 0.89 ft).
Period of record: Maximum discharge, 1,400 cfs Apr. 23, 1969 (gage height, 7.85 ft); minimum, 4.0 cfs Sept. 4, 5, 1968; minimum gage height, 0.68 ft July 16, 1965.

PEAD DISCHARGE.--(Base, 300 cfs):

DATE	TIME	G.HT	DISCHARGE
4-03	0830	3.46	384

REMARKS.--Records good, except for winter period which is fair. No record Nov 25 to Dec. 17 and Jan. 23 to March 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	14	23	21	28	130	147	100	46	18	22	17
2	13	14	21	22	25	105	173	88	39	23	17	15
3	13	14	21	21	23	90	330	96	40	20	16	15
4	18	16	40	22	22	95	254	131	46	18	28	15
5	16	29	34	36	23	85	204	104	36	17	21	14
6	14	26	28	43	30	70	160	88	34	15	16	13
7	13	19	24	35	30	85	181	81	31	14	15	14
8	13	20	23	32	30	95	200	83	31	14	14	13
9	13	18	23	30	60	86	179	140	43	13	13	13
10	13	18	23	28	40	82	203	180	36	13	12	12
11	13	19	23	26	35	79	187	119	30	13	12	12
12	13	20	25	25	35	73	187	99	29	12	12	36
13	12	20	23	25	60	72	181	162	28	11	12	38
14	12	40	22	25	100	70	170	214	26	12	12	79
15	12	46	21	24	60	82	130	138	26	11	12	71
16	19	51	19	24	48	181	108	116	22	11	12	42
17	22	37	23	23	42	203	106	130	21	12	13	27
18	17	31	27	22	38	159	103	106	19	14	12	25
19	16	30	25	22	45	138	100	90	19	15	11	21
20	17	41	27	24	60	123	97	81	18	18	13	18
21	15	65	27	26	66	118	91	75	18	14	12	24
22	16	48	25	23	53	114	86	79	17	12	11	26
23	32	46	27	21	90	114	80	70	17	12	9.8	19
24	45	40	27	20	70	111	76	62	17	12	8.9	18
25	41	23	25	18	60	98	74	59	18	12	8.7	19
26	21	23	23	17	65	96	71	57	21	12	8.4	15
27	16	23	24	17	180	96	70	52	19	13	19	16
28	14	21	24	17	160	103	70	50	17	12	109	13
29	14	21	23	17	------	122	139	46	17	11	53	13
30	14	23	21	50	------	143	126	44	16	15	32	16
31	14	------	20	32	------	149	------	49	------	21	26	------
TOTAL	534	856	761	788	1,578	3,363	4,281	2,997	797	440	590.6	683
MEAN	17.2	28.5	24.5	25.4	56.4	108	143	96.7	26.6	14.2	19.1	22.8
MAX	45	65	40	50	180	203	330	214	46	23	109	79
MIN	12	14	19	17	22	70	70	44	16	11	8.4	12
CFSM	.45	.74	.63	.66	1.46	2.80	3.70	2.51	.69	.37	.49	.59
IN.	.51	.82	.73	.76	1.52	3.24	4.13	2.89	.77	.42	.57	.66

CAL YR 1970	TOTAL 22,635.9	MEAN 62.0	MAX 763	MIN 9.0	CFSM 1.61	IN 21.81
WTR YR 1971	TOTAL 17,668.6	MEAN 48.4	MAX 330	MIN 8.4	CFSM 1.25	IN 17.03

01190000 Farmington River at Rainbow, Conn.

LOCATION.--41°54'41", long 72°41'16", Hartford County, on left bank at Rainbow, 300 ft from Stevens Paper Mill, 0.4 mile downstream from Farmington River Power Co. dam, 1.3 miles upstream from Poquonock, 6.4 miles downstream from Salmon Brook, and at mile 8.2.

DRAINAGE AREA.--591 sq mi.

PERIOD OF RECORD.--August 1928 to current year. Prior to 1940, published as "at Tariffville".

GAGE.--Water-stage recorder. Datum of gage is 35.36 ft above mean sea level. Prior to July 1, 1939, graphic water-stage recorder at site 5.5 miles upstream at datum 94.85 ft higher.

AVERAGE DISCHARGE(adjusted to present site; adjusted for storage and diversion).--43 years, 1,032 cfs (23.71 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,350 cfs Apr. 4 (gage height, 4.92 ft); minimum daily 22 cfs Nov. 12.

Period of record: Maximum discharge, 69,200 cfs Aug. 19, 1955 (gage height, 23.5 ft from floodmarks), by computation of flow over dam 0.4 mile upstream; minimum daily 5.1 cfs Mar. 5, 1944, Oct. 28, Nov. 11, 1945; Feb. 22, 1947.

REMARKS.--Records excellent. Flow regulated by power plant, by Otis and West Branch Reservoirs, Mad River Detention Reservoir, Colebrook River Reservoir, Highland Lake, Barkhamsted, East Branch, Nepaug, and Whigville Reservoirs (see p. 83), and by diversion for municipal supply from Barkhamsted, Nepaug and Whigville Reservoirs, and Whites Bridge pumping plant. Records of water quality are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	235	125	627	311	474	1,090	1,370	1,990	850	554	328	498
2	284	358	579	539	443	1,930	1,470	1,500	882	886	1,360	504
3	235	289	475	295	404	1,730	1,930	1,390	775	658	200	899
4	252	433	436	465	235	1,440	2,690	1,480	700	499	171	432
5	561	484	583	359	273	1,180	2,250	1,950	789	188	136	525
6	233	452	597	643	436	1,200	2,070	1,540	523	278	149	615
7	305	678	518	911	346	1,300	1,950	1,410	644	243	186	776
8	270	839	437	748	363	1,340	1,730	1,240	645	463	483	562
9	380	163	541	281	470	1,220	2,110	1,340	365	548	135	796
10	367	24	593	405	486	1,610	2,040	2,390	664	380	147	684
11	310	524	718	449	608	1,450	2,040	2,180	702	494	405	1,020
12	410	22	713	332	536	1,240	2,040	1,960	574	428	104	1,000
13	443	28	548	407	444	1,150	2,060	1,750	217	471	474	1,450
14	383	400	780	338	392	1,020	2,080	2,650	942	501	160	1,840
15	590	717	637	386	1,100	1,540	2,200	2,540	458	465	248	2,050
16	473	696	848	351	604	1,510	2,060	2,290	471	421	245	1,180
17	432	687	308	149	813	2,320	2,030	1,930	419	448	233	681
18	426	732	584	412	686	1,990	1,760	1,950	574	395	284	493
19	624	387	461	186	756	2,010	1,500	1,940	341	606	313	180
20	308	609	641	245	416	1,440	1,500	1,630	148	885	251	437
21	609	859	579	286	689	1,770	1,760	1,330	490	723	203	418
22	332	896	526	341	836	1,690	1,770	1,260	296	469	153	784
23	461	500	422	148	972	1,410	1,610	968	559	233	140	949
24	690	691	362	167	1,080	1,300	1,370	1,210	266	234	205	1,220
25	598	490	525	437	1,060	1,130	1,290	1,090	310	144	177	825
26	566	230	501	474	987	959	1,200	888	648	331	247	611
27	450	681	512	714	1,160	1,220	1,540	1,000	480	140	638	781
28	360	478	487	166	1,980	930	940	954	713	199	1,050	780
29	389	660	427	446	-------	1,070	1,250	630	445	358	1,900	785
30	341	511	389	440	-------	1,350	1,780	739	881	620	1,240	860
31	261	-------	385	369	-------	1,380	-------	695	-------	287	724	-------
TOTAL	12,578	14,643	16,659	12,200	19,049	44,719	53,390	47,694	16,371	13,549	13,569	24,635
MEAN	406	488	537	394	680	1,443	1,780	1,539	546	437	438	821
MAX	690	896	848	911	1,980	2,320	2,690	2,650	882	886	1,900	2,050
MIN	233	22	308	148	235	930	940	630	148	140	104	180
(†)	-60	+178	+31	+123	+226	+265	+933	+303	-90	-195	+13	-134
MEAN‡	346	666	568	517	906	1,708	2,713	1,842	456	242	451	687
CFSM‡	0.56	1.13	0.96	0.87	1.53	2.89	4.59	3.12	0.77	0.41	0.76	1.16
IN‡	0.65	1.25	1.11	1.00	1.59	3.33	5.12	3.60	0.86	0.47	0.88	1.29

CAL YR 1970 TOTAL 330,660 MEAN 906 MAX 7,100 MIN 22 MEAN‡ 965 CFSM‡ 1.63 IN‡ 22.03
WTR YR 1971 TOTAL 289,056 MEAN 792 MAX 2,690 MIN 22 MEAN‡ 923 CFSM‡ 1.56 IN‡ 21.15

†Change in contents in Otis and West Branch Reservoirs, Mad River Detention Reservoir, Colebrook River Reservoir, Highland Lake, Barkhamsted, East Branch, Nepaug and Whigville Reservoirs, and diversion from Barkhamsted, Nepaug, Whigville Reservoirs, and Whites Bridge pumping plant, equivalent in cubic feet per second; furnished by the Metropolitan District Commission, Corps of Engineers, the Massachusetts Department of Natural Resources, Division of Forests and Parks, and the city of New Britain.

‡Adjusted for diversion and change in contents.

01190100 Piper Brook at Newington Junction, Conn.

LOCATION.--Lat 41°42'43", long 72°44'15", Hartford County, on right bank just upstream from Willard Avenue Bridge at Newington Junction, 0.6 mile south of Hartford-Newington town line, 1.25 miles northwest of Newington, 0.6 mile upstream from Mill Brook, and 1.4 miles upstream from mouth.

DRAINAGE AREA.--14.4 sq mi.

PERIOD OF RECORD.--May 1958 to September 1971, discontinued as a continuous-record station; converted to a crest-stage partial-record station.

GAGE.--Water-stage recorder. Datum of gage is 47.02 ft above mean sea level.

AVERAGE DISCHARGE.--13 years, 23.1 cfs.

EXTREMES.--Current year: Maximum discharge, 338 cfs Sept. 12 (gage height, 5.52 ft); minimum 3.6 cfs Aug. 22, 23 (gage height, 1.47 ft).
Period of record: Maximum discharge, 935 cfs Sept. 12, 1960 (gage height, 8.40 ft); minimum, less than 0.1 cfs Oct. 5, 1960; minimum gage height, 1.01 ft July 6, 7, 9, 16, 17, 1965.

PEAK DISCHARGE.--(Base, 350 cfs): No peak above base.

REMARKS.--Records good. Regulation by Batterson Park Pond.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	4.7	11	10	9.7	72	16	12	14	40	16	14
2	5.2	6.0	11	9.8	19	41	18	12	13	21	8.2	13
3	36	6.7	11	11	10	43	27	18	12	8.6	7.1	12
4	20	8.6	36	20	12	60	14	29	22	6.8	7.2	11
5	7.0	40	13	42	11	61	14	23	14	6.2	6.1	10
6	6.0	8.4	11	22	23	57	15	17	13	5.7	5.4	9.5
7	5.9	6.1	10	20	11	121	70	15	12	7.0	4.9	9.8
8	5.6	4.9	9.6	16	33	86	38	26	44	6.9	4.6	9.7
9	5.4	5.0	10	15	51	70	30	24	15	6.8	4.6	11
10	4.9	9.9	10	12	19	66	31	18	13	6.0	4.8	10
11	4.2	6.6	9.7	13	16	61	29	15	11	5.3	10	9.6
12	4.8	5.7	10	13	21	55	29	14	11	5.7	51	194
13	5.0	40	9.9	12	85	48	28	39	37	6.0	8.7	65
14	5.0	43	11	11	75	46	25	90	21	11	6.1	131
15	42	32	11	10	35	60	23	38	13	6.5	5.4	43
16	16	17	9.7	9.6	49	68	22	25	11	6.1	5.6	34
17	7.2	12	26	9.2	53	99	21	21	10	7.5	5.6	27
18	5.6	11	23	8.8	63	53	20	145	9.5	7.2	5.4	23
19	6.1	42	20	8.5	62	75	19	75	9.5	20	5.3	20
20	6.3	33	24	8.3	76	123	24	52	9.5	7.4	6.0	23
21	6.4	43	18	8.1	61	64	20	84	9.4	5.6	4.3	67
22	12	17	16	8.0	56	54	17	48	8.8	5.5	3.7	31
23	27	20	15	7.7	142	47	15	38	8.2	5.3	4.1	22
24	8.6	19	15	7.7	71	43	15	27	7.5	4.8	4.4	18
25	5.9	13	14	9.6	67	38	15	17	6.7	4.6	4.3	15
26	6.1	12	13	41	70	35	14	19	7.4	5.0	4.5	13
27	6.2	22	12	17	190	33	14	19	7.3	6.4	94	11
28	6.1	11	11	14	112	32	13	15	6.0	5.0	137	10
29	6.5	10	11	12	------	32	15	15	5.9	9.0	22	8.7
30	6.1	16	10	11	------	29	16	15	6.4	48	17	7.5
31	5.6	------	10	9.6	------	17	------	18	------	51	15	------
TOTAL	300.0	510.6	431.9	426.9	1,480.7	1,749	667	982	388.1	348.6	491.1	882.8
MEAN	9.68	17.0	13.9	13.8	52.9	56.4	22.2	31.7	12.9	11.2	15.8	29.4
MAX	42	43	36	42	190	123	70	145	44	51	137	194
MIN	4.2	4.7	9.6	7.7	9.7	17	13	12	5.9	4.6	3.7	7.5

CAL YR 1970 TOTAL 9,172.4 MEAN 25.1 MAX 402 MIN 4.0
WTR YR 1971 TOTAL 8,658.7 MEAN 23.7 MAX 194 MIN 3.7

01190200 Mill Brook at Newington, Conn.

LOCATION.--Lat 41°42'16", long 72°43'34", Hartford County, on left bank just upstream from bridge on Dowd Street, 0.5 mile north of Newington, and 0.5 mile upstream from mouth.

DRAINAGE AREA.--2.56 sq mi.

PERIOD OF RECORD.--April 1958 to September 1971, discontinued as a continuous-record station; converted to crest-stage and low-flow partial-record station.

GAGE.--Water-stage recorder. Datum of gage is 47.58 ft above mean sea level.

AVERAGE DISCHARGE.--13 years, 3.43 cfs (18.20 inbhes per year).

EXTREMES.--Current year: Maximum discharge, 93 cfs Feb. 27 (gage height, 3.04 ft); minimum 0.53 cfs Sept. 3-9 (gage height, 1.15 ft).

Period of record: Maximum discharge, 460 cfs Sept. 12, 1960 (gage height, 6.70 ft), from rating curve extended above 180 cfs by logarithmic plotting; minimum 0.40 cfs July 8, 1964, July 13, Aug. 29 to Sept. 1, 1965 (gage height, 0.76 ft).

Flood of Aug. 19, 1955 reached a stage of 6.5 ft from floodmarks, reported by Greater Hartford Flood Commission.

PEAK DISCHARGE.--(Base, 60 cfs):

DATE	TIME	G.HT	DISCHARGE
2-13	2400	2.74	69
2-27	1030	3.04	93
8-28	0900	2.92	74
9-12	1300	3.32	90

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.3	2.1	1.3	2.0	7.9	2.6	3.2	1.9	3.6	1.9	.93
2	1.7	1.4	2.1	1.3	1.9	5.9	2.7	3.0	1.8	2.1	1.4	.57
3	4.2	1.5	2.2	1.5	1.8	5.5	3.8	4.0	2.9	.76	.92	.54
4	3.2	1.6	5.1	2.0	1.9	9.9	2.6	4.4	1.8	.76	.94	.53
5	1.9	3.9	2.3	4.6	2.0	7.9	2.5	3.4	1.5	.76	.94	.53
6	1.9	1.6	2.0	3.0	3.1	7.2	2.5	3.1	1.4	.78	.94	.53
7	1.8	1.3	1.9	2.1	2.7	23	8.1	3.1	1.4	.82	.94	.53
8	1.8	1.2	1.7	1.7	4.7	9.8	4.7	4.5	2.9	.89	.94	.53
9	1.8	1.3	1.8	1.5	10	6.1	3.2	7.9	2.4	.94	.94	.61
10	1.8	1.7	2.0	1.7	3.5	5.5	2.9	9.2	1.4	.94	.94	.56
11	1.7	1.7	2.0	1.7	2.4	5.6	2.6	3.0	1.3	1.0	1.5	.56
12	1.7	1.4	2.0	1.7	2.6	5.5	2.5	2.6	1.3	1.0	9.2	43
13	2.0	5.3	2.1	1.7	17	5.5	2.5	30	1.2	1.0	1.1	4.3
14	2.7	6.7	2.3	1.7	28	5.4	2.5	7.0	1.2	1.1	.87	14
15	6.8	3.7	2.2	1.7	4.3	7.0	2.6	3.0	1.2	1.1	.82	1.3
16	3.4	2.4	2.1	1.7	3.7	6.3	2.6	9.1	1.2	1.1	.82	.91
17	2.2	1.7	3.6	1.6	3.2	4.7	2.6	4.4	1.2	1.0	.82	.78
18	1.9	1.5	3.8	1.5	6.7	3.9	2.5	2.7	1.2	1.0	.82	.79
19	2.0	2.7	3.2	1.6	8.5	8.2	2.5	2.5	1.2	1.2	.82	.72
20	2.0	3.5	3.4	1.5	9.5	15	2.5	2.3	1.3	1.3	.82	.68
21	1.9	4.4	1.7	1.4	7.2	4.8	2.5	2.6	1.4	.92	.82	2.0
22	2.6	1.9	1.2	1.4	5.2	3.9	2.3	2.9	1.5	.84	.86	.91
23	3.6	2.5	1.3	1.4	33	3.4	2.5	2.3	1.5	.88	.88	.71
24	2.2	1.9	1.3	1.4	8.2	3.2	2.7	2.2	1.5	.88	.83	.68
25	1.7	1.7	1.3	1.4	7.9	3.0	3.0	2.2	1.4	.92	.82	.65
26	1.6	1.7	1.2	1.4	9.3	3.2	2.7	2.3	1.3	.94	.82	.63
27	1.5	1.7	1.3	1.6	46	3.1	2.9	2.2	1.1	1.9	5.9	.63
28	1.5	1.7	1.2	1.8	15	3.1	3.2	2.1	1.1	1.0	17	.63
29	1.6	1.9	1.2	2.0	------	3.1	4.7	2.0	1.1	1.1	.48	.61
30	1.4	2.5	1.2	2.3	------	3.0	3.4	2.6	1.1	2.5	.34	.61
31	1.4	------	1.2	2.2	------	2.7	------	2.2	------	8.6	.41	------
TOTAL	69.2	69.3	64.0	55.4	251.3	192.3	90.9	134.0	44.7	42.73	57.53	80.56
MEAN	2.23	2.31	2.06	1.79	8.98	6.20	3.03	4.32	1.49	1.38	1.86	2.69
MAX	6.8	6.7	5.1	4.6	46	23	8.1	30	2.9	8.6	17	43
MIN	1.4	1.2	1.2	1.3	1.9	2.7	2.3	2.0	1.1	.76	.34	.53
CFSM	.87	.90	.80	.70	3.51	2.42	1.18	1.69	.58	.54	.73	1.05
IN.	1.01	1.01	.93	.81	3.65	2.79	1.32	1.95	.65	.62	.84	1.17

CAL YR 1970 TOTAL 1,326.23 MEAN 3.63 MAX 103 MIN 1.0 CFSM 1.42 IN 19.27
WTR YR 1971 TOTAL 1,151.92 MEAN 3.16 MAX 46 MIN .34 CFSM 1.23 IN 16.74

01190300 Trout Brook at West Hartford, Conn.

LOCATION.--Lat 41°46'13", long 72°44'15", Hartford County, on left bank 250 ft upstream from Fern Street Bridge, in West Hartford.

DRAINAGE AREA.--14.7 sq mi.

PERIOD OF RECORD.--May 1958 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 78.39 ft above mean sea level.

AVERAGE DISCHARGE(unadjusted for storage and diversion).--13 years, 22.9 cfs.

EXTREMES.--Current year: Maximum discharge, 362 cfs Sept. 12 (gage height, 4.26 ft); minimum 4.4 cfs Oct. 1-3 (gage height 1.14 ft).

Period of record: Maximum discharge, 1,020 cfs Sept. 12, 1960 (gage height, 6.90 ft); minimum 0.1 cfs May 30, July 10, 1962 (gage height, 1.03 ft).

Flood of Aug. 19, 1955, reached a stage of 12.2 ft from floodmarks, reported by Greater Hartford Flood Commission.

REMARKS.--Records good. Flow regulated by numerous dams upstream and by storage and diversion at Hartford water-supply reservoirs on headwater streams. High flow regulated since 1964 by Talcott and South Detention Reservoirs (combined usable capacity 65,000,000 cu ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	5.6	8.9	11	10	97	34	18	15	14	17	6.1
2	4.4	6.7	8.1	11	10	69	35	14	13	20	13	5.7
3	23	9.4	8.4	11	10	96	49	21	20	13	7.8	5.0
4	11	8.8	25	20	11	62	53	26	15	8.2	6.4	5.4
5	6.1	22	12	40	11	57	38	17	11	8.6	5.5	5.2
6	5.1	9.8	9.5	30	22	45	28	14	8.8	8.9	5.3	5.3
7	5.0	9.0	8.8	25	11	95	71	15	8.3	7.3	5.0	5.0
8	4.6	7.0	13	21	20	75	56	26	12	6.3	4.8	13
9	4.4	6.6	9.1	19	50	67	60	52	30	5.7	4.7	13
10	4.4	9.8	9.6	17	25	90	65	65	16	5.7	4.6	14
11	4.5	8.0	8.3	16	17	40	47	33	11	5.3	6.5	6.5
12	4.6	6.9	15	15	35	35	46	21	8.5	5.2	19	113
13	4.8	26	21	14	83	32	26	112	7.9	5.1	10	36
14	4.8	33	8.8	13	70	33	22	77	12	5.7	8.2	68
15	17	27	9.8	12	50	61	19	37	8.5	5.2	7.0	32
16	5.0	26	18	12	22	89	17	53	7.7	6.0	6.9	17
17	6.0	14	37	11	19	89	16	40	7.7	5.6	5.4	12
18	5.5	11	25	10	27	58	14	32	7.5	5.8	4.9	11
19	6.0	17	14	10	56	59	14	25	6.9	6.8	4.6	9.3
20	5.7	22	16	9.7	44	107	14	20	6.5	6.3	7.0	8.9
21	5.7	28	15	9.3	42	69	15	20	6.5	5.1	7.1	24
22	9.0	14	14	9.0	32	61	13	21	6.3	4.9	5.8	13
23	12	16	14	8.7	82	52	12	16	6.0	4.9	5.4	10
24	7.7	13	13	8.5	55	48	14	15	6.0	4.9	5.6	9.5
25	5.6	11	13	8.3	46	39	13	14	6.1	5.0	6.0	8.5
26	5.7	9.4	13	45	60	40	12	16	6.7	4.9	6.0	8.1
27	4.4	7.0	12	18	133	35	12	12	6.8	4.9	16	9.3
28	5.7	7.4	12	15	117	37	18	11	7.7	4.9	57	8.6
29	6.1	7.3	12	13	------	33	43	10	6.8	5.6	56	8.1
30	5.6	10	12	11	------	39	25	13	5.8	18	43	7.0
31	5.7	------	11	10	------	35	------	15	------	19	18	------
TOTAL	214.2	404.4	426.3	483.5	1,133	1,719	888	888	299.0	242.4	376.8	499.5
MEAN	6.91	13.5	13.8	15.6	40.5	55.5	29.6	28.6	9.97	7.82	12.1	16.7
MAX	23	33	37	45	133	107	71	112	30	20	57	113
MIN	4.4	5.6	8.1	8.3	10	32	12	10	5.8	4.9	4.6	5.2

CAL YR 1970 TOTAL 8,341.9 MEAN 22.9 MAX 283 MIN 4.3
WTR YR 1971 TOTAL 7,572.1 MEAN 20.7 MAX 133 MIN 4.4

01190500 South Branch Park River at Hartford, Conn.

LOCATION.--Lat 41°44'02", long 72°42'51", Hartford County, on left bank at upstream side of bridge on Newfield Avenue in Hartford, 0.7 mile downstream from confluence of Trout Brook and Piper Brook, and 3.3 miles upstream from confluence with North Branch.

DRAINAGE AREA.--40.6 sq mi.

PERIOD OF RECORD.--October 1936 to current year.

GAGE.--Water-stage recorder. Datum of gage is 31.07 ft above mean sea level, (levels by Department of Engineering, city of Hartford).

AVERAGE DISCHARGE.--35 years, 69.8 cfs (23.31 inches per year).

EXTREMES.--Current year: Maximum discharge, 730 cfs Feb. 27 (gage height, 2.30 ft); minimum 10 cfs Oct. 8-10 (gage height, 0.03 ft).

Period of record: Maximum discharge, 5,000 cfs Aug. 19, 1955, from rating curve extended above 800 cfs on basis of records for North Branch Park River and Park River at Hartford; maximum gage height, 19.65 ft Aug. 19, 1955, from floodmarks; minimum daily discharge, 3.5 cfs July 16, 1965.

PEAK DISCHARGE.--(Base, 650 CFS):

DATE	TIME	G.HT	DISCHARGE
2-27	1530	2.30	730
8-28	0730	2.44	714
9-12	0530	2.42	702

REMARKS.--Records fair. Some regulation by dams upstream and by storage and diversion at Hartford water-supply reservoirs on headwater streams. Some regulation at high flow since 1964 by Talcott and South Detention Reservoirs, on tributaries of Trout Brook (combined usable capacity, 65,000,000 cu ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	12	22	9.8	24	263	89	46	38	74	74	27
2	14	15	21	9.8	24	139	80	38	35	61	29	26
3	81	18	21	10	25	112	98	66	32	29	20	23
4	44	21	55	10	27	160	90	78	58	20	20	19
5	12	47	26	100	29	156	87	54	45	19	17	19
6	11	19	23	92	73	133	75	46	35	18	16	18
7	11	16	22	45	34	370	72	54	32	17	15	20
8	10	16	22	38	85	310	132	70	115	16	15	28
9	10	16	22	32	296	144	92	110	70	15	16	39
10	10	21	24	30	65	127	103	170	33	15	15	37
11	10	18	22	31	36	124	82	110	30	15	72	21
12	11	17	23	31	51	114	74	60	78	14	176	463
13	12	48	25	29	159	103	55	300	96	14	21	138
14	13	57	25	27	333	99	65	200	78	38	15	261
15	33	47	23	25	173	191	59	110	60	18	15	98
16	17	30	28	23	88	232	55	140	28	15	15	65
17	11	20	63	22	115	162	47	130	26	18	15	52
18	10	18	45	21	156	119	42	380	25	16	15	43
19	11	41	34	21	173	146	42	200	25	17	15	36
20	11	42	46	20	213	439	43	140	25	19	24	90
21	11	59	36	19	106	200	47	230	24	17	16	101
22	15	25	29	19	129	160	45	140	23	15	15	67
23	23	33	30	19	376	140	42	100	21	14	15	56
24	14	24	30	19	210	120	43	80	20	13	15	56
25	12	21	28	24	170	110	60	62	18	13	15	48
26	12	20	27	45	106	100	41	52	28	13	14	45
27	13	19	27	79	513	95	34	45	20	17	213	49
28	12	19	26	96	373	91	44	40	23	14	452	43
29	13	19	10	36	------	90	103	40	18	20	79	22
30	13	26	10	30	------	85	52	40	16	208	41	19
31	12	------	10	24	------	83	------	47	------	216	30	------
TOTAL	506	804	855	1,036.6	4,172	4,879	1,983	3,378	1,091	1,027	1,525	2,053
MEAN	16.3	26.8	27.6	33.4	149	157	66.1	109	36.4	33.1	49.2	68.4
MAX	81	59	63	100	513	439	132	380	115	216	452	463
MIN	10	12	10	9.8	24	83	34	38	16	13	14	18
CFSM	.41	.67	.69	.84	3.73	3.93	1.65	2.73	.91	.83	1.23	1.71
IN.	.47	.75	.80	.96	3.88	4.54	1.84	3.14	1.01	.96	1.42	1.91

CAL YR 1970 TOTAL 22,303.0 MEAN 61.1 MAX 819 MIN 10 CFSM 1.53 IN 20.76
WTR YR 1971 TOTAL 23,309.6 MEAN 63.9 MAX 513 MIN 9.8 CFSM 1.60 IN 21.68

01190600 Wash Brook at Bloomfield, Conn.

LOCATION.--Lat 41°49'31", long 72°44'23", Hartford County, on right bank just upstream from bridge on Babb Road, 0.4 mile south of Bloomfield.

DRAINAGE AREA.--5.28 sq mi.

PERIOD OF RECORD.--April 1958 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 103.66 ft above mean sea level.

AVERAGE DISCHARGE.--13 years, 7.02 cfs (18.06 inches per year).

EXTREMES.--Current year: Maximum discharge, 120 cfs Sept. 14 (gage height, 3.71 ft); minimum discharge 0.03 cfs Oct. 20 (gage height, 0.46 ft).

Period of record: Maximum discharge, 465 cfs June 4, 1960 (gage height, 5.44 ft); from rating curve extended above 230 cfs by logarithmic plotting; no flow Sept. 16, 1964, many days in 1965, 1966.

Flood of Aug. 19, 1955, reached a stage of 11.7 ft from floodmarks reported by Greater Hartford Flood Commission.

REMARKS.--Records good. Frequent regulation at low flow. High flow regulated by Bloomfield Detention Reservoir since 1962 (usable capacity, 76,900,000 cu ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.22	.60	2.8	2.7	2.4	49	8.4	12	5.5	3.3	2.0	.89
2	.22	.07	2.3	3.2	2.3	49	9.4	9.7	3.7	2.7	1.7	.79
3	1.8	.20	3.4	3.1	2.3	23	16	10	4.4	1.9	1.5	.67
4	2.2	1.3	6.6	3.9	2.2	19	13	15	3.9	1.1	2.4	.67
5	1.2	4.3	4.3	8.5	2.1	19	8.5	11	3.5	.90	2.1	.95
6	.63	1.6	2.4	8.1	3.5	16	7.3	7.8	1.6	.84	1.3	.64
7	.45	.79	2.1	6.5	4.0	27	19	6.8	1.9	.72	.96	.79
8	.38	.67	1.7	5.2	4.3	36	39	9.3	2.9	1.8	.80	.82
9	.51	.57	1.6	3.9	10	24	19	24	7.6	.60	.61	.86
10	.36	1.4	1.5	3.2	6.5	16	11	29	4.2	.65	.60	.79
11	.23	2.2	1.6	3.0	4.5	14	7.9	13	2.5	.45	1.7	.67
12	.96	2.6	1.8	2.8	7.0	12	6.5	8.3	1.9	.54	1.8	27
13	.72	4.4	2.1	2.7	19	12	6.8	32	1.7	.37	1.2	16
14	.71	7.0	2.0	2.6	19	13	5.0	43	1.7	.70	.68	33
15	3.6	6.4	1.7	2.5	8.0	30	5.6	15	1.7	.57	.52	42
16	3.8	4.7	1.9	2.4	10	61	5.2	14	1.4	.49	.36	8.5
17	2.6	2.5	3.1	2.3	12	51	5.1	10	1.4	.90	.35	2.5
18	2.3	1.9	3.6	2.3	14	29	4.9	11	1.4	.91	.29	1.6
19	2.3	3.1	3.4	2.2	16	19	5.0	7.6	1.3	1.2	.35	1.2
20	1.7	5.8	4.0	2.1	16	36	5.4	6.1	2.2	1.2	.54	.93
21	.30	8.7	4.3	2.0	14	32	5.2	6.1	2.1	1.1	.35	2.6
22	1.8	5.4	3.8	2.0	13	19	5.2	7.2	1.7	1.0	.31	2.9
23	4.4	5.0	3.7	2.0	53	15	4.5	6.0	1.8	1.1	.42	1.7
24	5.8	4.6	3.6	1.9	47	13	5.5	4.9	2.1	1.1	.51	1.2
25	3.5	3.9	3.3	1.9	38	11	7.1	4.9	2.1	1.2	.45	.95
26	2.0	3.0	3.0	4.0	31	11	7.3	7.2	1.8	1.1	.45	.82
27	1.4	2.8	2.7	10	49	11	7.8	5.4	1.4	1.1	2.5	.87
28	2.2	2.7	2.6	9.4	52	11	8.2	4.3	1.1	1.1	17	.92
29	1.2	2.6	2.6	4.0	------	11	17	4.0	1.0	1.4	9.8	.92
30	.52	2.9	2.6	3.3	------	10	17	5.0	.90	1.9	2.8	1.0
31	.68	------	2.6	2.7	------	9.6	------	6.5	------	2.0	1.5	------
TOTAL	50.68	93.10	88.8	112.3	457.8	695.6	282.5	364.9	72.40	35.65	56.73	155.63
MEAN	1.63	3.10	2.86	3.62	16.4	22.4	9.42	11.8	2.41	1.15	1.83	5.19
MAX	5.8	8.7	6.5	10	53	61	39	43	7.6	3.3	17	42
MIN	.22	.07	1.6	1.9	2.1	9.6	4.5	4.0	.90	.37	.29	.55
CFSM	.31	.60	.55	.70	3.15	4.31	1.81	2.27	.46	.22	.35	1.00
IN.	.36	.67	.64	.80	3.28	4.98	2.02	2.61	.52	.26	.41	1.11

CAL YR 1970 TOTAL 2,604.97 MEAN 7.38 MAX 166 MIN .07 CFSM 1.42 IN 19.28
WTR YR 1971 TOTAL 2,465.89 MEAN 6.76 MAX 61 MIN .07 CFSM 1.30 IN 17.64

01191000 North Branch Park River at Hartford, Conn.

LOCATION.--Lat 41°47'03", long 72°42'31", Hartford County, on right bank 60 ft downstream from stone-arch bridge on Albany Avenue in Hartford, and 3 miles upstream from confluence with South Branch.

DRAINAGE AREA.--25.3 sq mi.

PERIOD OF RECORD.--October 1936 to current year.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 34.20 ft above mean sea level.

AVERAGE DISCHARGE.--35 years, 36.2 cfs (19.43 inches per year).

EXTREMES.--Current year: Maximum discharge, 484 cfs Feb. 27 (gage height, 4.99 ft); minimum 2.3 cfs Aug. 25,26 (gage height, 1.24 ft).

Period of record: Maximum discharge, 10,000 cfs Aug. 19, 1955, from rating curve extended above, 1,600 cfs on basis of slope-measurement of peak flow 2.6 miles upstream; maximum gage height, 18.8 ft Aug. 19, 1955 from floodmarks; minimum discharge 0.04 cfs Sept. 24, 25, 1943 (gage height, 0.75 ft); minimum daily 0.4 cfs Sept. 24, 1943.

Flood of March 12, 1936 reached a stage of 11.2 ft, as determined from floodmarks by city engineers of Hartford (discharge about 2,800 cfs).

REMARKS.--Records good. Some regulation at small dams, upstream and by storage and diversion at a Hartford water-supply reservoir on headwater stream. High flow regulated by Bloomfield, Wintonbury, and Blue Hills Reservoirs (combined usable capacity 98,000,000 cu ft), on tributaries of North Branch Park River.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	5.8	11	13	11	100	26	30	20	41	12	6.2
2	3.3	5.9	9.6	13	11	128	27	23	15	31	7.0	5.2
3	11	7.6	10	13	12	82	55	27	26	8.8	7.9	5.0
4	21	11	40	13	12	95	37	37	18	6.3	9.1	5.2
5	4.9	33	19	48	12	89	29	26	14	5.0	8.2	4.1
6	3.7	10	13	40	16	73	25	22	10	4.8	6.6	4.0
7	3.7	8.0	11	27	20	132	81	22	9.9	5.1	4.9	4.0
8	4.0	5.9	9.6	19	25	137	105	36	14	5.3	3.8	8.7
9	4.3	5.7	9.1	14	50	79	66	106	24	3.9	5.7	5.6
10	4.2	7.8	9.5	13	30	61	44	117	13	3.8	4.4	4.8
11	3.3	9.1	9.5	13	29	58	37	65	9.7	3.2	50	4.4
12	3.4	9.2	8.4	12	38	90	33	30	8.4	3.2	27	170
13	5.6	18	11	12	60	60	31	176	8.2	3.2	7.0	45
14	6.9	51	11	11	92	67	26	156	8.8	3.6	7.6	132
15	17	34	11	11	40	135	23	56	9.1	3.8	5.1	143
16	17	24	9.2	10	45	220	20	82	7.7	3.6	4.8	33
17	7.6	13	13	10	56	133	19	99	7.0	4.2	4.2	18
18	6.1	13	26	9.7	69	82	17	58	7.1	5.0	5.9	13
19	5.9	18	21	9.4	70	60	17	30	6.5	5.7	5.4	11
20	6.8	25	26	9.1	78	174	17	29	6.9	6.5	4.3	9.7
21	6.5	51	20	8.9	70	100	16	26	7.6	4.8	7.7	27
22	8.7	16	18	8.6	57	68	16	29	7.1	4.3	4.9	16
23	18	20	16	8.5	263	90	15	23	7.1	4.0	4.6	9.8
24	13	15	15	8.3	211	69	14	21	6.9	4.9	4.0	12
25	8.8	11	15	12	148	30	19	23	8.6	3.5	2.8	7.2
26	6.9	9.6	14	20	155	56	17	31	9.1	3.7	2.9	6.5
27	6.5	9.5	13	54	350	56	18	21	5.8	4.1	33	6.1
28	6.0	9.3	13	25	274	32	18	17	5.7	4.7	144	7.0
29	7.9	9.0	13	17	------	32	63	15	5.5	8.5	26	6.8
30	6.7	12	13	15	------	35	41	17	5.3	22	12	7.2
31	6.7	------	17	12	------	35	------	20	------	22	9.2	------
TOTAL	238.5	476.4	449.9	509.5	2,321	2,614	972	1,454	309.9	244.3	427.5	733.9
MEAN	7.69	15.9	14.5	16.4	82.9	84.3	32.4	46.9	10.3	7.88	13.8	24.5
MAX	21	51	40	54	350	220	105	176	26	41	144	170
MIN	3.1	5.7	8.4	8.3	11	30	14	15	5.3	3.2	2.8	4.0
CFSM	.30	.63	.57	.65	3.28	3.33	1.28	1.85	.41	.31	.55	.97
IN.	.35	.70	.66	.75	3.41	3.84	1.43	2.14	.46	.36	.63	1.08

CAL YR 1970 TOTAL 12,461.8 MEAN 34.1 MAX 1,100 MIN 1.9 CFSM 1.35 IN 18.32
WTR YR 1971 TOTAL 10,750.5 MEAN 29.5 MAX 350 MIN 2.8 CFSM 1.17 IN 15.81

01192500 Hockanum River near East Hartford, Conn.

LOCATION.--Lat 41°45'56", long 72°35'16", Hartford County, on left bank at end of Preston Street, 0.2 mile upstream from bridge on Walnut Street, 1.5 miles downstream from Hop Brook, and 2.8 miles east of East Hartford.

DRAINAGE AREA.--74.5 sq mi.

PERIOD OF RECORD.--September 1919 to September 1921, July 1928 to September 1971 discontinued as continuous record station; converted to crest-stage partial-record station.

GAGE.--Water-stage recorder. Datum of gage is 54.5 ft above mean sea level (levels by Department of Engineering, city of Hartford).

AVERAGE DISCHARGE(adjusted for storage).--45 years, 112 cfs (20.42 inches per year).

EXTREMES.--Current year: Maximum discharge, 445 cfs Sept. 12 (gage height, 4.26 ft); minimum discharge 29 cfs Jan. 17 (gage height, 1.25 ft).
Period of record: Maximum discharge, 5,160 cfs Sept. 21, 1938 (gage height, 13.70 ft from floodmarks), by computation of flow over dam just above gage; practically no flow at times caused by regulation; minimum daily discharge, 1.2 cfs Sept. 2, 1928.

PEAK DISCHARGE.--(Base, 900 cfs): No peak above base.

REMARKS.--Records good. Flow regulated by Shenipsit Lake (see p. 89), small reservoirs, and industrial plants.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	41	47	49	84	270	122	91	84	98	95	77
2	45	43	47	48	61	231	105	82	86	179	68	71
3	72	43	76	47	52	238	118	92	111	84	80	67
4	54	44	90	53	42	253	112	126	120	65	56	68
5	49	44	85	87	37	253	101	106	111	55	52	66
6	47	47	67	88	45	219	103	89	100	49	49	65
7	45	46	58	78	56	228	167	85	98	48	46	70
8	44	45	53	65	90	226	183	86	147	46	42	53
9	44	45	52	59	136	211	177	103	253	45	42	63
10	42	46	54	55	98	191	157	121	198	42	43	59
11	40	45	55	57	73	180	130	127	114	39	56	35
12	41	43	56	58	73	171	117	97	89	41	115	305
13	42	63	55	56	165	165	115	177	70	40	84	194
14	44	132	55	56	239	164	109	221	67	35	94	123
15	78	100	55	53	182	170	107	186	64	44	44	79
16	54	88	51	51	130	195	104	190	63	39	45	64
17	49	70	62	49	110	186	101	219	61	40	45	54
18	47	61	72	43	100	165	97	203	56	51	59	49
19	47	60	68	45	100	158	94	183	53	65	63	46
20	46	62	71	44	110	216	94	164	49	68	62	48
21	48	81	68	43	120	184	95	146	52	52	76	87
22	49	65	66	37	110	165	98	134	53	49	65	60
23	52	88	62	34	150	154	130	101	52	47	84	98
24	46	115	62	32	160	152	145	91	66	44	88	46
25	45	95	57	31	130	151	156	90	75	41	49	43
26	43	65	55	40	130	156	153	91	65	44	55	40
27	42	61	53	46	200	161	136	87	52	46	106	41
28	42	56	53	54	278	162	92	84	49	41	199	42
29	41	50	56	60	------	162	129	78	49	45	117	42
30	41	52	52	91	------	162	119	83	49	137	90	40
31	41	------	49	88	------	153	------	90	------	113	82	------
TOTAL	1,466	1,923	1,878	1,703	3,247	5,852	3,666	3,814	2,519	1,852	2,149	2,105
MEAN	47.3	64.1	60.6	54.9	116	189	122	123	84.0	59.7	69.3	70.2
MAX	78	132	90	91	278	270	183	221	253	179	199	305
MIN	40	41	47	31	37	151	92	78	49	35	42	35
(†)	-2.2	+2.2	+2.9	-4.4	+7.2	+19.3	-0.8	+9.1	-7.8	-5.6	-18.9	-6.6
MEAN‡	45.1	66.3	63.5	50.5	123	208	121	132	76.2	54.1	50.4	63.6
CFSM‡	0.58	0.86	0.82	0.65	1.59	2.69	1.56	1.70	0.98	0.70	0.65	0.82
IN‡	0.67	0.96	0.94	0.75	1.66	3.10	1.74	1.96	1.09	0.81	0.75	0.92

CAL YR 1970 TOTAL 45,641 MEAN 125 MAX 1,380 MIN 35 MEAN‡ 124 CFSM‡ 1.60 IN‡ 21.72
WTR YR 1971 TOTAL 32,172 MEAN 88.1 MAX 305 MIN 31 MEAN‡ 87.6 CFSM‡ 1.14 IN‡ 15.48

†Change in contents in Shenipsit Lake, equivalent in cubic feet per second; furnished by Rockville Water & Aqueduct Co.

‡Adjusted for change in contents.

01192600 South Branch Salmon Brook at Buckingham, Conn.

LOCATION.--Lat 41°43'09", long 72°32'25", Hartford County, on left bank just upstream from culvert on Keeney Street at Buckingham.

DRAINAGE AREA.---.90 sq mi.

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder and compound sharp-crested weir. Datum of gage is 203.41 ft above mean sea level.

AVERAGE DISCHARGE.--11 years, 1.26 cfs (19.01 inches per year).

EXTREMES.--Current year: Maximum discharge, 42 cfs Sept. 12 (gage height, 2.86 ft); minimum 0.20 cfs Feb. 3 (gage height, 0.80 ft).
Period of record: Maximum discharge, 55 cfs June 12, 1967 (gage height, 3.37 ft); minimum 0.18 cfs Oct. 5, 1966 (gage height, 0.78 ft).

PEAK DISCHARGE.--(Base, 810 cfs):

DATE	TIME	G.HT	DISCHARGE
2-13	1900	1.68	5.7
6-01	2200	1.95	16
7-01	1800	1.79	12
7-29	2100	1.67	9.3
8-28	0600	1.65	8.9
9-12	0500	2.86	42

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.78	.73	.59	.51	.46	2.2	1.6	2.2	2.6	2.0	.69	.59
2	.78	.77	.57	.51	.41	1.9	1.7	2.2	1.9	1.2	.72	.57
3	1.1	.76	.59	.51	.42	1.9	2.1	2.6	1.4	1.1	.71	.57
4	.91	.78	.65	.67	.42	2.9	1.7	2.9	1.3	1.0	.74	.60
5	.91	1.1	.53	1.1	.42	2.2	1.7	2.7	1.2	1.0	.68	.59
6	.80	.75	.53	.64	.42	2.1	1.7	2.5	1.2	1.0	.71	.58
7	.79	.76	.51	.56	.47	2.6	3.1	2.4	1.2	.98	.69	.58
8	.79	.72	.60	.53	.41	2.3	2.6	2.6	1.2	.76	.68	.58
9	.79	.77	.52	.90	.41	2.1	2.4	3.5	1.1	.80	.66	.57
10	.77	.70	.53	.51	.42	1.9	2.3	3.8	1.1	.78	.66	.60
11	.76	.70	.51	.51	.49	2.0	2.1	3.1	1.1	.82	1.2	.61
12	.76	.70	.56	.51	.55	1.9	1.9	3.4	1.1	.79	1.2	5.8
13	.76	1.6	.56	.48	3.9	1.8	2.0	4.1	1.1	.75	.65	1.1
14	.71	1.2	.55	.47	1.8	1.7	2.0	2.7	1.1	.91	.63	1.1
15	.80	1.2	.51	.46	.87	1.8	1.8	2.5	1.1	.75	.63	.75
16	.84	.80	.50	.46	.70	1.8	1.8	2.9	1.1	.72	.61	.70
17	.79	.82	.72	.45	.71	1.9	1.9	1.9	1.1	.80	.60	.72
18	.78	.77	.75	.44	.56	2.0	1.8	1.9	1.1	.73	.58	.72
19	.76	.86	.73	.46	.55	2.1	1.7	1.9	1.1	1.2	.60	.69
20	.74	1.0	.91	.43	1.2	2.2	1.7	1.7	1.1	.80	.88	.75
21	.75	.93	.80	.43	.50	2.3	1.6	1.7	1.1	.69	.67	1.2
22	.83	.64	.72	.42	.58	2.2	1.6	1.7	1.1	.67	.57	.77
23	.82	.77	.67	.42	2.3	2.2	1.8	1.7	1.1	.65	.55	.75
24	.80	.63	.62	.41	1.3	2.1	2.0	1.6	1.2	.66	.57	.72
25	.77	.60	.58	.41	1.1	2.0	2.7	1.6	1.1	.68	.56	.73
26	.75	.61	.57	.84	1.3	2.1	2.5	1.7	1.1	.71	.55	.79
27	.76	.69	.55	.51	3.5	2.0	2.6	1.8	.98	.66	1.1	.76
28	.76	.59	.54	.61	2.5	1.9	2.6	1.6	1.0	.58	1.8	.74
29	.76	.59	.53	.62	------	1.8	2.9	1.7	1.0	1.0	.67	.73
30	.76	.63	.52	.66	------	1.7	2.5	1.7	.98	2.0	.60	.73
31	.76	------	.52	.43	------	1.7	------	1.5	------	.86	.59	------
TOTAL	24.60	24.06	18.61	16.03	29.29	64.3	62.6	71.4	35.86	28.05	22.75	26.71
MEAN	.79	.80	.60	.52	1.05	2.07	2.09	2.30	1.20	.90	.73	.89
MAX	1.1	1.6	.91	1.1	3.5	3.2	3.1	4.1	2.6	2.0	1.8	5.8
MIN	.71	.59	.49	.41	.41	1.7	1.6	1.5	.98	.58	.55	.57
CFSM	.88	.89	.67	.58	1.17	2.30	2.31	2.56	1.33	1.00	.81	.99
IN.	1.02	.99	.77	.66	1.21	2.66	2.58	2.95	1.48	1.16	.94	1.10

CAL YR 1970 TOTAL 679.85 MEAN 1.86 MAX 14 MIN .49 CFSM 2.07 IN 28.10
WTR YR 1971 TOTAL 424.06 MEAN 1.16 MAX 5.8 MIN .41 CFSM 1.29 IN 17.53

01192650 Roaring Brook at Hopewell, Conn.

LOCATION.--Lat 41°39'50", long 72°34'55", Hartford County, near center of span on downstream side of bridge on Matson Hill Road at Hopewell, 1,200 ft downstream from Mott Hill Brook, 1.25 miles east of So. Glastonbury, and 2.25 miles upstream from mouth.

DRAINAGE AREA.--23.9 sq mi.

PERIOD OF RECORD.--October 1961 to September, 1971 (discontinued as a continuous-record station; converted to a partial-record station.)

GAGE.--Non-recording gage and crest-stage gage. Datum of gage is 157.48 ft above mean sea level.

AVERAGE DISCHARGE.--10 years, 33.7 cfs; (19.15 inches per year).

EXTREMES.--Current year: Maximum discharge, 415 cfs Sept. 12 (gage height, 3.39 ft); minimum observed, 6.2 cfs Aug. 24 (gage height, 0.86 ft).

Period of record: Maximum discharge, 1,240 cfs Apr. 2, 1970 (gage height, 5.34 ft); minimum, 0.30 cfs June 28, 1963 (gage height, 0.45 ft).

PEAK DISCHARGE.--(Base, 300 cfs):

DATE	TIME	G.HT	DISCHARGE
2-27	1200	3.09	308
9-12	1230	3.39	415

REMARKS.--Records fair. Infrequent regulation at low flow. Town of Manchester diverts about one million gallons per day from Buckingham Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	14	12	18	115	39	37	98	14	21	8.0
2	12	13	13	12	17	98	38	35	67	45	17	8.0
3	12	16	13	12	16	77	67	44	42	16	15	7.7
4	12	16	14	12	16	120	56	54	29	14	13	7.7
5	12	12	15	46	20	150	47	49	24	14	12	7.7
6	12	14	10	50	21	90	38	42	24	9.0	11	9.4
7	11	13	12	35	25	124	174	45	22	14	10	9.0
8	11	12	12	28	40	115	56	39	37	11	9.0	9.0
9	11	13	12	24	70	86	33	55	50	9.8	8.5	8.7
10	11	15	12	21	40	67	34	80	38	9.0	8.0	8.7
11	12	14	12	19	35	66	35	54	28	9.0	50	8.3
12	12	15	11	18	30	63	35	55	21	9.0	28	236
13	11	66	11	17	55	63	37	148	19	9.0	20	96
14	11	48	11	16	102	59	42	120	17	100	15	59
15	11	50	12	15	77	60	33	88	16	30	11	22
16	11	24	12	15	62	63	35	148	14	10	8.3	22
17	14	13	57	14	45	63	38	115	14	9.4	8.0	21
18	13	13	24	14	39	67	35	95	13	9.4	8.0	21
19	12	16	17	13	33	71	32	61	13	9.4	8.0	20
20	12	17	13	13	39	118	30	57	12	9.0	7.7	19
21	12	26	13	13	50	98	28	56	14	8.7	7.7	22
22	11	20	13	12	49	80	28	54	16	8.7	7.4	20
23	19	20	17	12	130	76	27	47	14	8.3	7.4	19
24	16	20	16	12	77	68	26	41	16	8.3	7.0	17
25	13	17	15	17	49	63	32	38	16	8.3	7.0	16
26	12	14	14	24	51	59	28	37	16	8.0	7.0	16
27	11	12	13	30	220	54	28	34	16	8.0	102	14
28	12	11	12	25	152	50	27	32	17	8.0	28	14
29	13	10	12	22	------	48	45	30	16	8.7	12	14
30	12	10	12	20	------	45	40	112	16	42	9.2	13
31	19	------	12	19	------	40	------	148	------	28	9.0	------
TOTAL	385	573	456	612	1,578	2,416	1,243	2,050	755	505.0	492.2	773.2
MEAN	12.4	19.1	14.7	19.7	56.4	77.9	41.4	66.1	25.2	16.3	15.9	25.8
MAX	19	66	57	50	220	150	174	148	98	100	102	236
MIN	11	10	10	12	16	40	26	30	12	8.0	7.0	7.7
CFSM	.52	.80	.62	.82	2.36	3.26	1.73	2.77	1.05	.68	.67	1.08
IN.	.60	.89	.71	.95	2.46	3.76	1.93	3.19	1.18	.79	.77	1.20

CAL YR 1970 TOTAL 15,034.1 MEAN 41.2 MAX 582 MIN 6.7 CFSM 1.72 IN 23.40
WTR YR 1971 TOTAL 11,838.4 MEAN 32.4 MAX 236 MIN 7.0 CFSM 1.36 IN 18.43

01192700 Mattabesset River at East Berlin, Conn.

LOCATION.-- Lat 41°37'08", long 72"42'48", Hartford County, on downstream side of bridge on Berlin Street, in East Berlin, and on Hartford-Middlesex County line.

DRAINAGE AREA.--42.0 sq mi.

PERIOD OF RECORD.--October 1961 to September 1971 (discontinued as a continuous-record station; converted to crest-stage partial-record station).

GAGE.--Non-recording gage and crest-stage indicator; gage read twice daily. Datum of gage is 15.12 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage and diversion).--10 years, 61.3 cfs (19.70 inches per year).

EXTREMES.--Current year: Maximum discharge, 785 cfs (Feb. 27 (gage height, 3.67 ft); minimum observed, 10 cfs Dec. 1 (gage height, 0.80 ft (regulated).

Period of record: Maximum discharge, 2,980 cfs Feb. 3, 1970 (gage height, 7.73 ft), minimum observed 2.8 cfs Sept. 8, 1970 (gage height, 0.80 ft).

PEAK DISCHARGE.--(Base, 600 cfs):

DATE	TIME	G.HT	DISCHARGE
2-27	1800	3.67	785
9-12	1400	3.12	558

REMARKS.--Records good. Flow regulated by Shuttle Meadow and Wasel Reservoirs (see p. 83).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	21	19	27	25	271	70	62	50	22	43	26
2	19	21	33	28	23	200	68	51	44	116	40	24
3	19	24	44	27	21	160	73	55	87	29	31	22
4	58	25	88	29	21	271	70	80	61	24	28	22
5	29	69	45	82	22	245	67	61	40	22	26	22
6	23	38	38	83	38	200	64	52	33	21	24	21
7	21	27	35	62	38	264	141	48	31	20	22	23
8	19	23	27	48	38	304	170	47	29	18	21	22
9	18	21	29	40	129	166	112	104	64	18	19	27
10	16	23	33	37	88	137	108	108	35	18	18	22
11	13	29	31	35	61	150	94	72	29	18	28	22
12	13	25	30	35	55	146	80	61	28	18	120	333
13	13	31	33	32	95	146	75	201	28	18	41	313
14	23	143	35	30	271	135	67	277	28	24	27	445
15	29	91	34	31	131	146	58	108	28	21	22	160
16	55	72	33	30	90	202	57	150	26	19	21	70
17	29	46	46	23	77	180	54	180	24	21	20	52
18	23	38	68	23	96	137	52	104	22	31	19	47
19	21	27	66	23	121	137	50	80	22	33	18	40
20	19	68	52	23	143	358	47	70	22	30	23	37
21	21	95	46	23	141	200	47	64	22	26	19	70
22	25	64	41	25	111	150	44	73	24	19	18	52
23	35	61	40	28	340	132	43	61	22	16	17	42
24	34	50	39	29	253	116	40	52	22	18	16	34
25	29	41	38	35	178	101	54	52	22	20	15	31
26	25	38	35	53	170	97	47	52	24	19	15	30
27	23	35	33	45	557	92	47	47	22	18	20	29
28	22	33	29	31	436	88	44	44	22	16	228	31
29	21	37	28	31	------	87	73	42	21	20	166	31
30	21	40	27	30	------	83	61	60	22	50	44	31
31	21	------	26	29	------	73	------	61	------	47	31	------
TOTAL	758	1,356	1.201	1,107	3,769	5,174	2,077	2,579	954	810	1,200	2,131
MEAN	24.5	45.2	38.7	35.7	135	167	69.2	83.2	31.8	26.1	38.7	71.0
MAX	58	143	88	83	557	358	170	277	87	116	228	445
MIN	13	21	19	23	21	73	40	42	21	16	15	21
(#)	-10.0	+2.8	-1.5	-1.4	+14.3	+29.9	+8.7	+7.9	-10.1	-12.0	-3.9	+13.8
MEAN‡	14.5	48.0	37.2	34.3	149	197	77.9	91.1	21.7	14.1	34.8	84.8
CFSM‡	0.36	1.14	0.89	0.82	3.55	4.69	1.85	2.17	0.52	0.34	0.83	2.02
IN‡	0.42	1.27	1.03	0.94	3.70	5.41	2.06	2.50	0.58	0.39	0.96	2.25

CAL YR 1970 TOTAL 29,782.0 MEAN 81.6 MAX 1,650 MIN 3.0 MEAN‡ 76.7 CFSM‡ 1.83 IN‡ 25.12
WTR YR 1971 TOTAL 23,116.0 MEAN 63.3 MAX 557 MIN 13 MEAN‡ 66.4 CFSM‡ 1.58 IN‡ 21.51

#Change in contents of Shuttle Meadow and Wasel Reservoirs, equivalent in cubic feet per second, furnished by city of New Britain.

‡Adjusted for change of contents.

01192890 Coginchaug River at Rockfall, Conn.

LOCATION.--Lat 41°32'10", long 72°41'16", Middlesex County, on left bank just downstream from bridge on State Highway 157, half a mile northeast of Rockfall, and 2.5 miles southeast of Middletown.

DRAINAGE AREA.--34.8 sq mi.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 61.16 ft above mean sea level.

AVERAGE DISCHARGE.--10 years, 49.7 cfs (19.38 inches per year).

EXTREMES.--Current year: Maximum discharge, 612 cfs Sept. 12, 13 (gage height, 3.65 ft); minimum 1.0 cfs July 11, 12 (gage height, 0.53 ft).

Period of record: Maximum discharge, 1,280 cfs Feb. 3, 1970 (gage height, 5.20 ft); minimum 0.3 cfs Aug. 2, 1964; minimum gage height, 0.49 ft July 17, 1965; minimum daily, 0.9 cfs July 8, 15, Aug. 5, 8, 1962, July 17, 1965

PEAK DISCHARGE.--(Base, 700 cfs): No peak above base.

REMARKS.--Records good. Some regulation at low flow by Beseck Lake and industrial plants upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	3.7	8.9	13	24	240	52	59	51	7.9	95	16
2	6.3	3.9	8.1	13	21	200	50	51	42	10	61	10
3	5.9	5.0	13	12	18	160	74	61	45	8.5	30	8.6
4	8.3	3.7	12	14	17	200	74	98	45	7.6	15	7.9
5	7.1	7.0	9.9	75	16	180	60	86	39	6.2	15	7.7
6	5.9	6.3	8.9	95	30	160	53	63	32	5.7	11	13
7	5.5	5.5	5.2	85	45	200	121	52	28	5.1	9.2	16
8	4.8	4.3	6.3	45	100	200	159	54	32	4.4	7.8	34
9	4.4	3.6	7.2	37	190	150	136	76	40	3.9	6.8	36
10	4.3	3.5	5.9	32	120	130	111	94	31	3.0	5.9	38
11	3.9	4.7	7.1	29	90	125	91	84	25	2.1	12	36
12	3.6	4.2	7.1	27	70	119	78	68	22	2.2	53	317
13	3.3	25	8.5	25	150	125	70	124	21	3.0	46	514
14	3.0	70	18	23	174	119	63	171	20	4.0	24	493
15	3.2	64	15	22	103	117	57	136	19	3.4	15	338
16	6.5	45	19	21	68	128	52	144	18	2.7	11	237
17	4.9	26	16	20	72	125	49	166	17	2.9	8.9	186
18	4.7	16	23	15	80	110	46	141	15	3.0	7.2	155
19	3.9	20	22	18	94	[illegible]	44	108	14	4.7	6.5	127
20	3.6	34	36	17	100	[illegible]	41	84	13	8.3	13	100
21	3.6	55	38	16	130	208	39	74	9.5	10	9.3	99
22	3.6	39	31	17	110	166	39	72	6.6	8.6	7.3	114
23	6.6	28	28	18	130	136	37	63	6.1	5.4	5.7	118
24	8.1	17	21	20	150	112	32	54	6.0	4.4	4.4	105
25	6.9	13	19	22	120	93	36	49	6.6	4.2	4.0	87
26	7.2	11	17	25	100	83	36	48	7.6	6.1	3.8	75
27	6.6	9.8	18	35	150	76	35	45	7.1	6.2	10	68
28	5.3	8.9	17	45	190	69	37	44	6.1	4.9	75	63
29	4.9	9.9	14	32	------	86	59	40	5.9	7.4	74	59
30	4.0	9.5	13	29	------	62	62	47	5.7	65	51	56
31	3.9	------	12	26	------	57	------	54	------	107	26	------
TOTAL	161.4	556.5	485.1	927	2,662	4,265	1,893	2,510	636.2	327.8	723.8	3,534.2
MEAN	5.21	18.6	15.6	29.9	95.1	138	63.1	81.0	21.2	10.6	23.3	118
MAX	8.3	70	38	95	190	240	159	171	51	107	95	514
MIN	3.0	3.5	5.2	12	16	57	32	40	5.7	2.1	3.8	7.7
CFSM	.15	.53	.45	.86	2.73	3.97	1.81	2.33	.61	.30	.67	3.39
IN.	.17	.59	.52	.99	2.85	4.56	2.02	2.68	.68	.35	.77	3.78

CAL YR 1970 TOTAL 20,327.0 MEAN 55.7 MAX 1,120 MIN 2.5 CFSM 1.60 IN 21.73
WTR YR 1971 TOTAL 18,682.0 MEAN 51.2 MAX 514 MIN 2.1 CFSM 1.47 IN 19.97

01193000 Connecticut River near Middletown, Conn.

LOCATION.--Lat 41°33'40", long 72°36'45", Middlesex County, on right bank half a mile upstream from Bodkin Rock, 2 miles downstream from Middletown, and 30 miles upstream from mouth.

DRAINAGE AREA.--10,870 sq mi.

PERIOD OF RECORD.--October 1965 to current year. Jan. 1, 1947 to Sept. 30, 1948, twice daily readings on outside staff gage, and Sept. 8, 1948 to Oct. 14, 1965, infrequent discharge measurements at high stages and continuous graphic record of stage.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below mean sea level, datum of 1929. Auxiliary digital water-stage recorder at same datum on right bank 3.8 miles downstream, 120 ft downstream from pier of United Aircraft Corp. (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL).

REMARKS.--Volume records good. Flow affected by ocean tides below a stage of 18.00 ft and by storage in major reservoirs having a combined capacity of about 117 billion cubic feet. Some diversion from Chicopee River basin and regulation of flow by power plants. Volumes of flow in alternate directions are tabulated for each cycle of ebb and flood tide. Base data are simultaneous readings of gage heights obtained by two standard U.S. Geological Survey digital recorders located at the ends of a fairly uniform channel reach. Net volume cannot be accurately computed by taking the difference between successive values of upstream and downstream volumes, because channel storage is different at the beginning and end of each tidal change, and because net volume is a comparative small difference between two large numbers, and the errors in the large numbers would be greatly magnified in the difference.

Where 2 successive downstream or upstream volumes are shown on adjacent days, the portion of the volume occurring in each day should be combined to obtain total downstream or upstream volume for that ebb or flood tide.

Records of water quality at auxiliary gage for current year are in Part 2 of this report.

Discharge in cfs at 15 minute intervals are available upon request.

NOTE.--Incomplete gage-height record May 28, 1970 to Aug. 9, 1970, Sept. 1-30, 1970, Dec. 4, 1970 to Mar. 2, 1971, July 14, 1971 to Sept. 17, 1971.

01193000 Connecticut River near Middletown, Conn.--Continued

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                         APRIL       1970            DISCHAHGE AT STATION   1193000

DAY                        VOLUME IN MILLIONS OF CUBIC FEET
  2            2397
  3            4995
  4            6773
  5            6581
  6            5364
  7            3967
  8            3406
  9            3405
 10            4051
 11            5065
 12            5300
 13            5000
 14            4490
 15            4391
 16            4743
 17            5328
 18            5977
 19            6616
 20            7173
 21            7112
 22            6680
 23            5932
 24            5338
 25            5343
 26            6354
 27            7432
 28            7740
 29            7433
 30            7062


                         MAY         1970            DISCHAHGEAT STATION   1193000

DAY                        VOLUME IN MILLIONS OF CUBIC FEET
  1            6652
  2            6194
  3            5576
  4            5047
  5            4821
  6            4410
  7            3905
  8            3307
  9            2820
 10            2196
 11            1864
 12            1861
 13            1527
 14            1143        -79         186
 15            1223        -34         148
 16            1335        -48          78
 17             587        -38         672        -52         26
 18            1890
 19            3556
 20            5321
 21            5372
 22            4259
 23            3264
 24            2700
 25            2179
 26            1782
 27            1115         -8         378
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01193000 Connecticut River near Middletown, Conn.--Continued

AUGUST 1970 DISCHARGE AT STATION 1193000

DAY	VOLUME IN MILLIONS OF CUBIC FEET					
10	-28	142	-604	264	-516	307
11	273	-338	436	-1001	47	
12	691	-215	524	-1047		
13	-2	643	-421	493	-891	
14	-45	554	-436	490	-878	
15	-193	560	-656	517	-603	
16	-288	661	-691	547	-425	
17	-464	671	-707	623	-199	
18	-240	617	-922	357	-162	
19	-662	395	-1168	353	-35	
20	-538	445	-516	582		
21	0	-393	539	-1052	332	
22	50	-811	288	-1145	452	
23	68	-583	541	-1215	481	
24	234	-708	452	-1233	215	
25	369	-454	650	-1117	59	
26	451	-501	763	-911	11	
27	567	-731	492	-1011		
28	-31	499	-838	438	-933	
29	-99	537	-842	418	-696	
30	-5	771	-985	410	-683	
31	-247	561	-619	523	-583	

01193000 Connecticut River near Middletown, Conn.--Continued

OCTOBER 1970 DISCHARGE AT STATION 1193000

VOLUME IN MILLIONS OF CUBIC FEET

DAY							
1	7	-166	621	-578	541	-141	
2	-277	496	-434	598	-70		
3	-270	502	-724	593	0		
4	-250	481	-654	650			
5	38	-250	523	-562	407		
6	21	-264	370	-356	468		
7	104	-198	420	-314	348		
8	166	-211	402	-635	170		
9	418	-517	359	-676	141		
10	360	-222	403	-263	90		
11	409	-239	398	-299	8		
12	372	-339	392	-289			
13	-3	384	-335	420	-225		
14	-22	445	-320	464	0	-162	
15	-65	421	-338	495	-106		
16	-114	433	-300	465	-46		
17	-148	372	-300	415	0		
18	-145	369	-238	428			
19	11	-156	363	-278	380		
20	46	-165	331	-229	345		
21	109	-144	314	-189	289		
22	189	0	74	-11	0	-61	466
23	802						
24	413	0	338	-1			
25	-13	414	-92	352	0		
26	-84	365	-121	349			
27	4	-62	384	-115	373		
28	23	-24	420	-160	361		
29	29	-82	469	-293	401		
31	433	-255	367	-54			

NOVEMBER 1970 DISCHARGE AT STATION 1193000

VOLUME IN MILLIONS OF CUBIC FEET

DAY								
1	-125	294	-276	329	-31			
2	-189	219	-351	304	-11			
3	-216	283	-292	300				
4	0	-246	334	-283	308			
5	20	-195	333	-286	255			
6	99	-208	264	-238	219			
7	173	-170	290	-213	139			
8	229	-218	276	-248	64			
9	247	-257	308	-238	11			
10	274	-312	358	-205				
11	0	292	-322	384	-200			
12	-29	277	-353	387	-149			
13	-63	335	-327	6	-5	3	-4	320
	-83							
14	-70	357	-252	425	-48			
15	-108	380	-308	437	-11			
16	-159	344	-228	385				
17	4	-140	339	-203	384			
18	33	0	-107	334	-170	366		
19	67	-130	353	-171	295			
20	140	-104	331	-124	242			
21	162	-86	431	-70	112			
22	198	-105	338	-128	84			
23	229	-159	399	-107	37			
24	290	-167	444	-79	30			
25	395	-127	514	-49	8			
26	413	-147	477	-101				
27	-1	385	-198	497	-96			
28	-21	385	-236	445	-104			
29	-62	346	-232	403	-72			
30	-110	335	-247	418	-18			

01193000 Connecticut River near Middletown, Conn.--Continued

DECEMBER 1970 DISCHARGE AT STATION 1193000

DAY	VOLUME IN MILLIONS OF CUBIC FEET				
1	-114	360	-253	453	
2	0	-119	413	-172	478
3	36	-81	408	-168	396

MARCH 1971 DISCHARGE AT STATION 1193000

DAY	VOLUME IN MILLIONS OF CUBIC FEET				
3	175	-240	772	-147	327
4	153	-355	1525		
5	1573				
6	356	-226	603	-187	65
7	548	-264	673	-77	19
8	708	-98	618	-116	0
9	644	-68	498	-214	
10	-26	569	-237	595	-166
11	-66	655	-240	701	-92
12	-101	684	-177	595	-86
13	-147	649	-229	575	-71
14	-222	713	-197	548	-33
15	-278	649	-229	567	
16	0	-246	710	-206	615
17	37	-214	791	-74	596
18	155	-59	1669		
19	271	-39	1491		
20	1985				
21	521	-2	1338		
22	601	-80	878	-104	89
23	698	-206	832	-141	16
24	778	-151	830	-101	0
25	805	-171	654	-243	
26	-43	730	-273	670	-197
27	-133	756	-292	657	-174
28	-262	755	-347	633	-93
29	-323	849	-226	610	-5
30	-374	792	-206	582	
31	22	-334	792	-230	482

APRIL 1971 DISCHARGE AT STATION 1193000

DAY	VOLUME IN MILLIONS OF CUBIC FEET				
1	101	-301	778	-191	445
2	236	-266	739	-215	293
3	356	-122	778	-149	198
4	631	-2	1433		
5	2744				
6	2907				
7	2985				
8	2995				
9	2774				
10	1279	-1	1165		
11	2529	-16	2595		
12	8				
13	3432				
14	4419				
15	5462				
16	5931				
17	5454				
18	4557				
19	3933				
20	3635				
21	4582				
22	5682				
23	6517				
24	6726				
25	6473				
26	5718				
27	5006				
28	4542				
29	4331				
30	4768				

01193000 Connecticut River near Middletown, Conn.--Continued

MAY 1971 DISCHARGE AT STATION 1193000

DAY	VOLUME IN MILLIONS OF CUBIC FEET				
1	5197				
2	5052				
3	5027				
4	5477				
5	6672				
6	7743				
7	8040				
8	7465				
9	6754				
10	6410				
11	6224				
12	5778				
13	5510				
14	5795				
15	6148				
16	5676				
17	4943				
18	4199				
19	3430				
20	2954				
21	2212	-178	21		
22	2047	-239			
23	-3	1947	-220		
24	-42	1108	-1	895	-99
25	-136	1045	-25	829	-38
26	-156	977	-42	757	-1
27	-201	877	-113	729	
28	33	-137	930	-48	695
29	127	-67	879	-91	584
30	154	-117	754	-125	453
31	248	-94	712	-111	356

JUNE 1971 DISCHARGE AT STATION 1193000

DAY	VOLUME IN MILLIONS OF CUBIC FEET					
1	1018	-114	248			
2	997	-91	172			
3	528	-130	400	-70		
4	-3	446	-37	415	-118	39
5	545	-69	338	-176	4	
6	565	-103	339	-193		
7	-9	503	-150	328	-169	
8	-28	547	-107	417	-75	
9	-36	580	-79	389	-54	
10	-86	561	-92	391	-29	
11	-101	565	-82	439	-1	
12	-102	566	-85	414		
13	2	-167	450	-201	323	
14	18	-215	443	-192	356	
15	110	-95	444	-165	285	
16	186	-79	382	-204	197	
17	249	-152	289	-256	114	
18	321	-122	277	-241	55	
19	379	-143	273	-252	6	
20	392	-168	261	-274		
21	-15	353	-222	250	-226	
22	-52	428	-159	321	-117	
23	-84	433	-171	320	-85	
24	-132	432	-179	304	-48	
25	-170	401	-161	337	-11	
26	-174	388	-192	313		
27	3	-158	386	-164	328	
28	43	-111	340	-210	299	
29	82	-123	294	-198	234	
30	28	-116	255	-207	186	

01193000 Connecticut River near Middletown, Conn.--Continued

JULY 1971 DISCHARGE AT STATION 1193000

DAY	VOLUME IN MILLIONS OF CUBIC FEET				
1	182	-97	225	-190	167
2	246	-96	265	-165	102
3	312	-84	218	-163	77
4	360	-131	193	-237	6
5	322	-185	196	-277	
6	-9	296	-219	197	-240
7	-38	312	-235	191	-201
8	-91	324	-199	239	-135
9	-133	345	-221	300	-78
10	-153	371	-219	267	-44
11	-240	293	-271	257	-8
12	-269	281	-295	287	
13	10	-221	297	-280	264

SEPTEMBER 1971 DISCHARGE AT STATION 1193000

DAY	VOLUME IN MILLIONS OF CUBIC FEET				
18	-80	320	-152	313	-89
19	-77	264	-203	303	-64
20	-129	248	-237	355	-34
21	-115	333	-170	339	-6
22	-155	239	-249	342	
23	2	-123	235	-225	324
24	12	-123	273	-194	240
25	32	-109	185	-237	241
26	51	-160	174	-275	149
27	62	-197	193	-279	159
28	137	-215	250	-285	142
29	248	-233	394	-333	64
30	338	-269	357	-325	16

01193500 Salmon River near East Hampton, Conn.

LOCATION.--Lat 41°33'11", long 72°26'57", Middlesex County, on right bank at Old Comstock Bridge, a short distance from New London-Middlesex County line, 0.6 mile downstream from Dickinson Creek, and 3.5 miles southeast of East Hampton.

DRAINAGE AREA.--105 sq mi.

PERIOD OF RECORD.--July 1928 to current year.

GAGE.--Water-stage recorder. Datum of gage is 69.50 ft above mean sea level.

AVERAGE DISCHARGE.--43 years, 172 cfs (22.25 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,760 cfs Sept. 12 (gage height, 3.71 ft) minimum, 9.0 cfs Aug. 26, 27 (gage height, 0.37 ft).

Period of record: Maximum discharge, 12,400 cfs Sept. 21, 1938 (gage height, 10.96 ft), by computation of flow over dam half a mile upstream; minimum, 1.0 cfs Oct. 31, 1935 (gage height, -0.17 ft); minimum daily about 1 cfs Oct. 13, 1929.

PEAK DISCHARGE.--(base, 1,300 cfs):

DATE	TIME	G.HT	DISCHARGE
9-12	1200	3.71	1,760

REMARKS.--Records excellent. Slight regulation at low flow by ponds upstream. Records of water quality for the current year are in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	28	61	50	52	581	166	210	153	40	137	32
2	30	40	56	50	45	460	170	177	122	122	81	24
3	30	69	52	53	40	380	266	214	174	71	57	22
4	45	52	75	60	40	498	228	324	195	43	47	19
5	32	85	75	225	40	455	189	245	140	32	40	22
6	25	65	65	200	45	375	177	210	108	27	34	20
7	22	48	41	100	60	476	410	175	97	22	28	22
8	20	38	45	80	85	476	410	172	90	21	24	20
9	20	34	50	70	100	347	324	259	189	20	20	28
10	19	34	52	65	80	296	284	370	127	19	19	24
11	18	37	54	60	70	296	242	292	92	18	21	20
12	19	34	57	57	60	284	210	238	76	18	61	1,100
13	20	96	71	54	70	288	198	398	71	15	43	585
14	20	248	54	51	450	280	183	470	65	14	31	395
15	24	180	52	48	150	334	166	300	57	12	24	231
16	56	148	70	45	90	498	164	429	52	9.0	21	148
17	43	103	100	44	60	425	166	465	47	9.0	19	115
18	34	79	110	42	60	320	150	304	41	14	16	96
19	31	81	100	40	70	362	145	248	36	28	14	85
20	28	113	90	38	100	629	140	220	32	99	16	77
21	27	164	80	37	130	415	135	201	30	52	15	132
22	34	113	70	40	130	320	130	201	48	28	14	117
23	61	101	66	45	180	280	122	183	36	20	13	90
24	69	96	62	50	150	252	120	166	36	18	11	77
25	54	75	60	55	120	228	137	153	42	15	10	70
26	43	65	57	75	150	214	140	148	42	16	9.0	66
27	37	61	55	110	450	204	132	132	32	19	19	63
28	36	59	53	85	450	195	135	130	25	15	136	60
29	32	57	51	70	------	192	262	122	22	12	103	58
30	30	63	50	65	------	186	255	140	22	233	57	56
31	30	------	50	60	------	175	------	180	------	302	42	------
TOTAL	1,020	2,466	1,984	2,124	3,527	10,721	5,956	7,474	2,299	1,383.0	1,182.0	3,874
MEAN	32.9	82.2	64.0	68.5	126	346	199	241	76.6	44.6	38.1	129
MAX	69	248	110	225	450	629	410	470	195	302	137	1,100
MIN	18	28	41	37	40	175	120	122	22	9.0	9.0	19
CFSM	.31	.78	.61	.65	1.20	3.30	1.90	2.30	.73	.42	.36	1.23
IN.	.36	.87	.70	.75	1.25	3.80	2.11	2.65	.81	.49	.42	1.37

CAL YR 1970 TOTAL 59,577.0 MEAN 163 MAX 2,020 MIN 6.0 CFSM 1.55 IN 21.11
WTR YR 1971 TOTAL 44,010.0 MEAN 121 MAX 1,100 MIN 9.0 CFSM 1.15 IN 15.59

01193800 Hemlock Valley Brook at Hadlyme, Conn.

LOCATION.--Lat 41°25'42", long 72°25'23", Middlesex county, on right bank just upstream from culvert on Bone Mill Road at Hadlyme, 0.5 mile upstream from mouth.

DRAINAGE AREA.--2.70 sq mi.

PERIOD OF RECORD.--July 1960 to current year.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 37.85 ft above mean sea level.

AVERAGE DISCHARGE.--11 years, 4.62 cfs (23.24 inches per year).

EXTREMES.--Current year: Maximum discharge about 43 cfs Feb. 14 (gage height about 1.60 ft); minimum 0.17 cfs Aug. 7-8 (gage height, 0.42 ft).
Period of record: Maximum discharge 270 cfs Mar. 6, 1963 (gage height, 2.8 ft); minimum 0.08 cfs Sept. 2, 1963.

PEAK DISCHARGE.--(Base, 65 cfs): No peak above base.

REMARKS.--Records excellent, except for winter period, which is good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.41	.48	1.8	1.5	7.0	15	4.4	5.1	4.1	1.2	.96	.50
2	.38	1.7	1.6	1.6	4.0	12	4.5	5.2	3.2	3.5	.56	.37
3	.41	5.5	1.4	1.7	2.5	11	8.0	9.2	4.3	1.2	.33	.34
4	.98	2.2	3.5	2.5	1.6	14	5.5	9.1	4.9	.77	.32	.33
5	.56	1.9	2.3	16	1.7	16	4.9	6.2	3.2	.61	.45	.49
6	.45	1.1	2.2	11	3.0	13	4.9	5.4	2.4	.54	.29	.49
7	.41	.85	1.5	7.2	4.0	14	16	4.9	2.1	.50	.19	.38
8	.39	.76	1.1	6.1	8.0	16	12	6.7	1.9	.43	.22	.36
9	.39	.69	1.4	5.2	19	11	8.5	9.7	2.7	.43	.38	.48
10	.37	.93	1.8	4.6	13	10	7.1	11	1.8	.37	.34	.51
11	.37	1.0	1.5	4.0	9.0	9.5	6.3	7.9	1.4	.34	.45	.33
12	.39	.84	1.4	3.6	6.0	9.5	5.8	6.1	1.3	.37	.89	19
13	.39	6.7	1.7	3.2	11	9.5	5.5	10	1.4	.32	.51	11
14	.38	13	1.7	3.0	35	9.0	5.2	8.7	1.4	.41	.40	9.7
15	.48	6.1	1.6	2.7	15	9.0	4.7	6.4	1.1	.37	.36	2.9
16	1.9	4.1	1.3	2.5	10	9.0	4.6	14	.97	.34	.31	1.8
17	.81	2.5	5.7	2.3	8.0	9.0	4.5	13	.89	.37	.27	1.2
18	.60	1.9	6.4	2.2	8.0	7.8	4.4	8.1	.78	.56	.24	1.1
19	.54	2.7	3.9	2.1	8.6	8.3	4.2	6.8	.69	1.8	.21	.80
20	.48	4.4	4.2	2.0	10	19	4.1	6.1	.65	5.2	6.4	.67
21	.48	8.1	3.2	2.0	13	11	4.0	5.7	.62	1.1	.93	4.8
22	.66	3.7	2.4	2.0	11	8.5	3.9	6.3	.59	.63	.51	2.5
23	1.5	3.2	2.5	2.2	13	7.5	3.7	5.1	.55	.50	.39	1.1
24	1.6	2.5	2.7	2.4	15	6.7	3.6	4.5	.99	.46	.30	.73
25	.83	1.9	2.4	2.5	11	6.4	4.5	4.3	4.0	.45	.26	.56
26	.64	1.8	2.1	3.9	10	5.9	4.1	4.2	1.4	.50	.25	.50
27	.55	1.9	1.9	5.7	20	5.6	3.7	3.8	.76	.65	2.5	.48
28	.53	1.7	2.0	12	24	5.2	4.5	3.7	.57	.49	8.4	.41
29	.48	1.7	1.7	5.0	------	5.1	7.3	3.3	.65	.42	2.6	.41
30	.49	2.0	1.6	3.0	------	4.8	5.4	4.8	.69	1.6	.99	.36
31	.48	------	1.5	3.0	------	4.6	------	5.8	------	2.8	.62	------
TOTAL	19.18	87.65	72.0	128.7	301.4	302.9	169.8	211.1	52.00	29.23	31.83	64.58
MEAN	.62	2.92	2.32	4.15	10.8	9.77	5.66	6.81	1.73	.94	1.03	2.15
MAX	1.9	13	6.4	16	35	19	16	14	4.9	5.2	8.4	19
MIN	.37	.48	1.1	1.5	1.6	4.6	3.6	3.3	.55	.32	.19	.33
CFSM	.23	1.08	.86	1.54	4.00	3.62	2.10	2.52	.64	.35	.38	.80
IN.	.26	1.21	.99	1.77	4.15	4.17	2.34	2.91	.72	.40	.44	.89

CAL YR 1970 TOTAL 1,749.35 MEAN 4.79 MAX 71 MIN .28 CFSM 1.77 IN 24.10
WTR YR 1971 TOTAL 1,470.37 MEAN 4.03 MAX 35 MIN .19 CFSM 1.49 IN 20.26

01194500 East Branch Eightmile River near North Lyme, Conn.

LOCATION.--Lat 41°25'40", long 72°20'05", New London County, on left bank at bridge on State Highway 156, 0.4 mile upstream from mouth, 1.1 miles north of North Lyme, 1.2 miles south of North Plain, and 5.5 miles upstream from mouth of Eightmile River.

DRAINAGE AREA.--22.0 sq mi.

PERIOD OF RECORD.--September 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 54.21 ft above mean sea level. Prior to October 1, 1964 at datum 1.00 ft higher.

AVERAGE DISCHARGE.--34 years, 43.2 cfs (26.67 inches per year).

EXTREMES.--Current year: Maximum discharge, 415 cfs Feb. 14 (gage height, 4.25); minimum 1.5 cfs Aug. 19, 20 minimum gage height 0.94 ft Aug. 19, 20.
Period of record: Maximum discharge, 2,950 cfs Sept. 21, 1938 (gage height, 7.00 ft). computed on basis of study of flow at contracted control section; no flow Sept.3, 1938, result of regulation; minimum daily about 0.03 cfs Oct. 2, 1941.

PEAK DISCHARGE.--(Base, 300 cfs):

DATE	TIME	G.HT	DISCHARGE
2-14	0800	4.25	415

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	5.7	22	21	60	141	42	42	31	3.8	19	3.1
2	3.9	7.0	20	22	37	110	40	37	25	11	11	2.5
3	3.9	36	19	23	21	96	48	53	25	11	8.4	2.1
4	5.9	35	25	23	14	128	52	66	29	6.8	7.4	1.9
5	7.0	28	28	68	15	143	44	56	24	5.4	8.0	1.9
6	5.5	26	25	107	26	111	41	44	19	4.5	6.6	1.8
7	4.7	18	21	77	34	121	83	38	17	3.9	5.2	1.9
8	4.1	14	17	67	71	148	108	37	16	3.1	4.4	1.7
9	3.9	12	18	49	173	107	78	54	18	2.7	3.7	1.7
10	3.6	11	19	34	117	98	62	77	17	2.4	2.9	1.7
11	3.5	12	19	31	73	85	52	85	13	2.1	2.8	1.6
12	3.5	12	18	29	54	85	47	61	13	2.1	3.7	10
13	3.4	20	20	27	95	85	44	54	16	1.9	3.5	93
14	3.2	74	20	25	326	78	41	65	14	1.8	3.0	50
15	3.4	66	18	24	139	76	38	57	11	1.9	2.6	30
16	7.4	52	21	22	92	103	37	62	9.8	1.8	2.2	19
17	8.4	38	31	21	75	98	36	114	9.0	1.7	1.9	12
18	6.3	29	55	20	67	70	34	92	8.2	1.7	1.8	9.3
19	5.4	26	54	19	78	72	33	60	7.3	4.4	1.6	8.1
20	4.9	32	46	19	50	136	31	51	6.8	35	4.2	7.0
21	4.5	53	40	18	120	116	30	48	6.3	19	5.0	10
22	4.9	50	33	17	57	86	29	49	6.1	11	4.0	21
23	8.3	37	30	20	116	72	28	45	5.6	8.3	3.0	14
24	17	32	28	21	132	64	27	39	5.7	6.5	2.2	9.3
25	12	26	26	22	145	58	29	35	6.6	5.8	1.9	7.3
26	8.6	23	25	29	87	54	29	33	5.8	5.7	1.6	6.4
27	7.3	22	24	57	168	51	28	30	5.0	6.6	1.9	6.0
28	6.4	22	23	108	215	49	28	28	4.3	5.7	6.1	5.6
29	6.0	21	23	39	------	47	45	27	3.8	4.1	8.5	5.4
30	5.9	21	22	25	------	47	50	28	4.0	11	5.9	5.1
31	5.9	------	22	26	------	42	------	34	------	31	4.2	------
TOTAL	183.0	860.7	812	1,109	2,657	2,776	1,314	1,585	382.3	223.6	147.1	350.1
MEAN	5.90	28.7	26.2	35.8	96.3	89.5	43.8	51.1	12.7	7.21	4.75	11.7
MAX	17	74	55	108	326	148	108	114	31	35	19	93
MIN	3.2	5.7	17	17	14	42	27	27	3.8	1.7	1.6	1.6
CFSM	.27	1.30	1.19	1.63	4.38	4.07	1.99	2.32	.58	.33	.22	.53
IN.	.31	1.46	1.37	1.88	4.56	4.69	2.22	2.69	.65	.38	.25	.59

CAL YR 1970 TOTAL 13,467.1 MEAN 36.9 MAX 665 MIN 1.5 CFSM 1.68 IN 22.77
WTR YR 1971 TOTAL 12,439.9 MEAN 34.1 MAX 326 MIN 1.6 CFSM 1.55 IN 21.03

Reservoirs in Connecticut River basin

01185000 **OTIS RESERVOIR**.--Lat 42°09'35", long 73°03'33", Berkshire County, Mass., on Fall River in West Branch Farmington River basin, 1 mile northeast of Cold Spring. Drainage area, 17.2 sq mi. Usable capacity, 780,000,000 cu ft. Records available, April 13 to current year. Completed in 1865 for storage of water for power. Records furnished by the Massachusetts Department of Natural Resources, Division of Forests and Parks.

01185850 **COLEBROOK RIVER LAKE**......--Lat 42°00'22", long 73°02'12", Hartford County, Conn., on West Branch Farmington River, 1.4 miles upstream from West Branch Reservoir, and 2.3 miles north of Riverton. Drainage area, 118 sq mi. Usable capacity 4,253,000,000 cu ft. Records available June 1969 to current year. Completed in June 1969 for multi-purpose use. Records furnished by Corps of Engineers.

01185900 **WEST BRANCH RESERVOIR**.--Lat 41°59'22", long 73°01'15", Hartford County, Conn., on West Branch Farmington River, 2 miles west of Hartland, and 2.0 miles north of Riverton. Drainage area, 120 sq mi. Usable capacity, 360,000,000 cu ft (revised). Records available, March 1960 to current year, Completed in April 1960 for future storage of water for municipal supply of Hartford. Presently used to compensate for water diverted from the river. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Ct.

01186090 **MAD RIVER DETENTION RESERVOIR**.--Lat 41°55'53", long 73°05'33", Litchfield County, Conn., on Mad River in West Branch Farmington River basin, 1.4 miles northwest of Winsted. Drainage area, 18.2 sq mi. Usable capacity, 423,000,000 cu ft, including 8,000,000 cu ft storage in recreation pool. Records available, September 1964 to current year. Completed in 1962 by Corps of Engineers for storage of water for recreation and flood control. Operated and maintained by Park and Forest Commission of Connecticut, Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01186160 **HIGHLAND LAKE**.--Lat 41°55'22", long 73°04'58", Litchfield County, Conn., at head of the Lake Stream, a tributary of Mad River in West Branch, Farmington River basin, at Winsted, and 0.4 mile upstream from Mad River. Drainage area, 7.30 sq mi. Usable capacity, 142,800,000 cu ft based on lake survey by Conn. Board of Fisheries and Game. Records available, September 1936 to current year. Dam raised to its present crest elevation in 1875. Lake used for storage of water for power, recreation, and flood control. Elevation furnished by Union Pin Co. Capacity and contents figures computed by Geological Survey.

01187500 **BARKHAMSTED RESERVOIR**.--Lat 41°54'38", long 72°57'15", Litchfield County, Conn., on East Branch Farmington River 1.25 miles south of Barkhamsted. Drainage area, 53.8 sq mi. Usable capacity, 4,050,000,000 cu ft. Records available October 1950 to current year. For period March 1940 to September 1950, combined month-end contents for Barkhamsted, East Branch, and Nepaug Reservoirs are given in WSP 1301 Completed in 1939 for storage of water for municipal supply of Hartford. Records furnished by Water Bureau Metropolitan District Commission, Hartford, Conn.

01187600 **EAST BRANCH RESERVOIR**.--Lat 41°52'49", long 72°57'30", Litchfield County, Conn. on East Branch Farmington River in Farmington River basin, 1 mile east of New Hartford. Drainage area, including Barkhamsted Reservoir, 61.2 sq mi. Usable contents, 393,000,000 cu ft. Records available October 1950 to current year. For period August 1928 to September 1950, combined month-end contents for Barkhamsted, East Branch, and Nepaug Reservoirs are given in WSP 1301. Completed in 1919 for storage of water to compensate for water diverted from the river for municipal supply of Hartford. Since the construction of West Branch Reservoir in April 1960, it has been used only for recreation. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01187900 **NEPAUG RESERVOIR**.--Lat 41°49'37", long 72°56'34", Hartford County, Conn., on Nepaug River in Farmington River basin, 1.5 miles northwest of Collinsville. Drainage area, 32.0 sq mi. Usable capacity, 1,270,000,000 cu ft. Records available August 1928 to current year. Completed in 1918 for storage of water for municipal supply of Hartford. Records furnished by Water Bureau, Metropolitan District Commission, Hartford, Conn.

01188500 **WHIGVILLE RESERVOIR**.--Lat 41°44'08", long 72°57'02", Hartford County, Conn., on Whigville Brook in Pequabuck River basin, at Whigville. Drainage area, 3.95 sq mi. Usable capacity, 5,050,000 cu ft. Records available, July 1928 to current year. Completed in 1908 for storage of water for municipal supply of New Britain. Records furnished by Board of Water Commissioners, New Britain, Conn.

01192000 **SHENIPSIT LAKE**.--Lat 41°52'06", long 72°25'59", Tolland County, Conn., on Hockanum River, .75 mile east of Rockville. Drainage area, 16.5 sq mi. Usable capacity, 485,000,000 cu ft (revised); based on lake survey by Connecticut Board of Fisheries and Game. Records available, September 1913 to September 1921, July 1928 to current year. Dam raised to its present crest elevation in 1871 for storage of water for power and municipal supply of Rockville. Records furnished by Rockville Water & Aqueduct Co.

01192680 **WASEL RESERVOIR**.--Lat 41°38'02", long 72°48'53", Hartford County, Conn., on Panther Swamp Brook tributary to Willow Brook, 2.25 miles southwest of New Britain. Drainage area, 0.32 sq mi. Usable capacity, 120,000,000 cu ft. Records available November 1966 to current year. Completed on December 13, 1966, for storage of water for municipal supply of New Britain. Records furnished by the Board of Water Commissioners, New Britain, Conn.

01192681 **SHUTTLE MEADOW RESERVOIR**.--Lat 41°38'43", long 72°49'13", Hartford County, Conn., on Willow Brook in Mattabesset River basin, 2.5 miles southwest of New Britain. Drainage area, 1.05 sq mi (revised). Usable capacity 172,000,000 cu ft (revised). Records available, September 1965 to current year. Completed in 1892 for storage of water for municipal supply of New Britain. Raised to present elevation in 1911. Records furnished by Board of Water Commissioners, New Britain, Conn.

01186150 **SUCKER BROOK RESERVOIR**.--Lat 41°54'09", Long 73°06'00", Litchfield County, at mouth of Sucker Brook, a tributary of Highland Lake in West Branch Farmington River basin, 2 miles southwest of Winsted. Drainage area 3.50 sq mi. Useable capacity 64,560,000 cu ft. Records available, February 1971 to September 1971. Completed in 1970 by Corps of Engineers for storage of water for flood control. Operated and maintained by Park and Forest Commission of Connecticut, Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers

Reservoirs in Connecticut River basin--continued

Month-end usable contents, in millions of cubic feet, water year October 1970 to September 1971

Date	Otis Reservoir	Colebrook River Lake	West Branch Reservoir	Mad River Detention Reservoir	Highland Lake Reservoir	Barkhamsted Reservoir
Sept. 30, 1970.....	680.3	453	112	8.4	86.9	3,573
Oct. 31............	352.0	450	192	8.4	52.2	3,481
Nov. 30............	361.0	642	197	8.4	30.2	3,469
Dec. 31............	358.2	443	211	8.5	30.2	3,416
Jan. 31, 1971......	352.0	535	204	8.4	30.5	3,356
Feb. 28............	352.0	579	303	8.9	36.3	3,393
Mar. 31............	451.3	432	298	8.7	58.6	3,699
Apr. 30............	619.5	1,721	374	9.1	142.8	4,054
May 31............	676.5	2,247	374	8.8	133.2	4,054
June 30............	680.3	1,962	362	8.4	109.1	3,942
July 31............	680.3	1,477	278	8.4	109.1	3,770
Aug. 31............	707.2	1,407	252	8.4	109.1	3,595
Sept. 30...........	695.7	773	286	8.4	96.7	3,620

Date	East Branch Reservoir	Nepaug Reservoir	Whigville Reservoir	Shenipsit Lake	Wasel Reservoir	Shuttle Meadow Reservoir
Sept. 30, 1970.....	0	947	1.7	402	54.8	103
Oct. 31............	31	880	2.6	396	31.4	79
Nov. 30............	62	894	3.1	402	29.0	89
Dec. 31............	93	943	2.9	410	29.4	84
Jan. 31, 1971......	125	977	2.7	398	37.2	73
Feb. 28............	168	1,072	5.0	415	40.1	104
Mar. 31............	239	1,202	5.0	467	59.1	165
Apr. 30............	393	1,269	4.8	465	72.9	174
May 31............	393	1,269	3.7	489	89.8	178
June 30............	363	1,216	2.9	469	94.5	148
July 31............	349	1,151	3.5	454	82.1	128
Aug. 31............	346	1,162	3.9	404	75.3	124
Sept. 30...........	247	1,257	3.1	387	91.2	144

Date	Sucker Brook Reservoir
Sept. 30, 1970.....	---
Oct. 31............	---
Nov. 30............	---
Dec. 31............	---
Jan. 31, 1971......	---
Feb. 28............	0.3
Mar. 31............	.1
Apr. 30............	.4
May 31............	.2
June 30............	.1
July 31............	.1
Aug. 31............	.1
Sept. 30...........	.1

01195200 Neck River at Madison, Conn.

LOCATION.--Lat 41°16'57", long 72°37'11", New Haven County, on left bank just upstream from culvert on Fort Path Road, 1.25 miles west of Madison, and 3.5 miles upstream from mouth.

DRAINAGE AREA.--6.68 sq mi.

PERIOD OF RECORD.--September 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8.93 ft above mean sea level.

AVERAGE DISCHARGE.--10 years, 10.0 cfs (20.43 inches per year).

EXTREMES.--Current year: Maximum discharge, 88 cfs Feb. 9 (gage height, 2.92 ft) minimum 0.27 cfs Aug. 26, 27 (gage height, 0.78 ft).

Period of record: Maximum discharge, 322 cfs Apr. 2, 1970 (gage height, 4.58 ft); no flow Sept. 24, 27, 1964, August 1, 1965.

PEAK DISCHARGE.--(Base, 80 cfs):

DATE	TIME	G.HT	DISCHARGE
2-09	0630	2.92	88

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.97	1.8	3.0	14	30	9.7	9.9	6.9	1.3	8.0	.59
2	.93	1.2	1.9	3.5	8.0	25	9.6	8.3	5.3	2.9	2.8	.47
3	.81	4.8	3.1	3.7	5.0	17	12	11	5.5	3.0	1.8	.46
4	1.3	4.0	6.2	4.9	3.3	30	13	15	6.3	1.8	1.5	.42
5	1.1	3.4	7.8	28	3.6	33	11	13	4.9	1.4	1.6	.43
6	.91	2.7	6.1	41	6.9	26	5.8	9.5	3.8	1.3	1.4	.88
7	.76	2.0	4.5	28	16	30	40	8.1	3.5	1.1	1.1	.73
8	.70	1.7	3.0	19	46	35	48	9.7	4.0	.93	.86	.61
9	.64	1.4	3.0	14	64	25	26	23	11	.84	.68	.57
10	.63	1.4	3.6	11	34	21	20	21	5.1	.81	.59	.50
11	.58	1.9	3.7	10	20	20	16	20	3.4	.77	.58	.50
12	.61	1.6	3.2	9.7	12	20	14	15	3.0	.79	.83	5.4
13	.64	5.1	3.5	7.0	28	19	13	14	3.2	.72	.67	27
14	.63	31	4.4	7.3	47	18	12	15	2.9	.79	.57	24
15	.75	27	3.6	6.6	28	18	11	12	2.6	.78	.51	13
16	2.7	17	3.6	5.8	21	25	10	17	2.4	.68	.46	5.0
17	2.7	11	9.7	5.2	18	20	9.7	33	2.3	.67	.42	2.5
18	1.7	7.0	19	5.0	16	17	9.3	20	2.1	.71	.40	2.0
19	1.3	5.7	17	4.6	15	16	8.7	14	2.0	2.3	.38	1.7
20	1.1	10	14	4.8	18	37	8.7	12	1.9	31	.40	1.5
21	.97	19	12	4.6	30	31	7.8	11	1.8	16	.39	2.5
22	1.1	16	8.7	3.2	23	20	7.6	11	1.8	3.8	.36	2.7
23	2.5	11	7.1	3.3	27	18	7.1	9.7	1.6	2.2	.33	1.9
24	3.9	8.2	7.2	4.8	32	16	6.7	7.8	1.6	1.7	.28	1.5
25	2.6	6.2	6.4	5.7	22	14	9.2	7.0	2.1	1.6	.27	1.1
26	1.9	4.6	6.2	9.1	20	13	8.8	6.7	2.3	1.6	.30	1.0
27	1.5	4.2	4.7	14	40	13	8.0	6.0	1.7	2.2	.39	.96
28	1.3	3.9	4.3	15	60	12	7.9	5.6	1.4	2.0	1.4	.93
29	1.2	3.7	3.4	9.0	------	12	14	5.1	1.3	1.4	1.9	.86
30	1.1	4.2	3.0	6.0	------	11	13	6.4	1.3	2.0	1.3	.77
31	1.1	------	2.6	6.2	------	10	------	8.9	------	12	.78	------
TOTAL	40.76	221.87	188.0	303.4	677.4	652	401.6	385.7	99.4	101.09	33.25	102.48
MEAN	1.31	7.40	6.06	9.79	24.2	21.0	13.4	12.4	3.31	3.26	1.07	3.42
MAX	3.9	31	19	41	64	37	48	33	11	31	8.0	27
MIN	.58	.97	1.8	3.0	3.3	10	6.7	5.1	1.3	.67	.27	.42
CFSM	.20	1.11	.91	1.47	3.62	3.14	2.01	1.86	.50	.49	.16	.51
IN.	.23	1.24	1.05	1.69	3.77	3.63	2.24	2.15	.55	.56	.19	.57

CAL YR 1970 TOTAL 3,773.72 MEAN 10.3 MAX 210 MIN .02 CFSM 1.54 IN 21.02
WTR YR 1971 TOTAL 3,206.95 MEAN 8.79 MAX 64 MIN .27 CFSM 1.32 IN 17.86

01196500 Quinnipiac River at Wallingford, Conn.

LOCATION.--Lat 41°26'58", long 72°50'29", New Haven County, on right bank on Wilbur Cross Highway, 0.8 miles downstream from Quinnipiac Street bridge in Wallingford, and 2 miles upstream from Wharton Brook.

DRAINAGE AREA.--109 sq mi.

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder and timber control. Datum of gage is 19.24 ft above mean sea level. Prior to Jan. 27, 1965, at datum 1.00 ft higher.

AVERAGE DISCHARGE(adjusted for storage and diversion since October 1960).--41 years, 198 cfs (24.67 inches per year).

EXTREMES.--Current year: Maximum discharge 800 cfs Sept 13, minimum 32 cfs June 6 (gage height, 0.77 ft).
Period of record: Maximum discharge 5,230 cfs Sept. 21, 1938 (gage height, 10.55 ft, present datum), by computation of flow over dam 1 mile upstream; minimum 8 cfs Nov. 2, 1930.

PEAK DISCHARGE.--(base, 900 cfs): No peak above base.

REMARKS.--Records good. Flow regulated by Wolcott Reservoir (see p. 88) and by mills upstream. Diversion from Wolcott Reservoir and Patton Brook for municipal supply of city of New Britain. Records of water quality for the current year,are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	69	115	83	104	583	228	195	195	95	226	65
2	54	70	108	81	105	519	223	169	192	160	173	62
3	60	69	100	81	97	464	257	186	184	123	124	60
4	111	72	125	97	95	405	260	251	185	84	104	58
5	109	114	141	216	111	467	225	238	155	76	93	56
6	71	131	116	225	154	430	214	194	85	73	85	54
7	70	107	103	174	155	479	339	173	115	76	75	53
8	69	83	91	134	215	535	409	182	125	69	69	52
9	66	75	87	114	341	500	333	264	205	65	64	51
10	69	79	89	108	251	418	297	262	130	65	63	50
11	76	86	92	103	195	352	282	221	109	61	100	49
12	64	88	96	104	188	335	255	190	101	60	153	250
13	65	133	92	55	321	331	236	312	98	60	140	800
14	65	241	94	97	565	318	225	483	95	78	91	560
15	86	247	95	74	367	314	210	329	91	71	73	485
16	157	221	90	[illegible]	276	345	201	322	89	64	71	398
17	123	187	115	[illegible]	237	395	197	363	87	62	69	226
18	90	162	165	80	241	393	189	291	83	67	67	152
19	77	133	154	78	268	379	180	244	77	106	65	148
20	73	181	155	73	302	492	177	234	73	225	63	132
21	70	252	153	71	309	524	174	210	72	113	62	87
22	72	225	132	75	286	430	170	213	77	83	61	195
23	129	164	117	85	496	394	163	198	75	71	60	171
24	156	149	117	87	487	346	159	175	83	68	59	146
25	119	130	110	91	402	309	175	166	91	73	57	130
26	93	115	103	147	350	239	175	176	83	72	56	122
27	82	110	96	180	499	138	161	169	78	85	100	119
28	77	107	90	154	687	253	163	156	70	87	250	118
29	73	103	91	137	------	254	213	146	67	84	150	116
30	73	112	85	133	------	250	226	159	68	440	100	113
31	72	------	83	123	------	240	------	177	------	327	80	------
TOTAL	2,632	4,015	3,404	3,457	8,104	11,911	6,716	7,048	3,246	3,243	3,003	5,078
MEAN	84.9	134	110	113	289	384	224	227	108	105	96.9	169
MAX	157	252	165	225	687	583	409	483	205	440	250	800
MIN	54	69	83	71	95	138	159	146	67	60	56	49
(†)	-0.4	-1.0	+0.6	-0.6	+2.8	+3.5	-1.6	-0.4	-2.3	+0.6	+0.9	-1.7
MEAN	84.5	133	111	112	292	388	2222	227	106	106	97.8	167
CFSM‡	0.78	1.22	1.02	1.03	2.68	3.56	2.04	2.08	0.97	0.97	0.90	1.53
IN	0.90	1.36	1.18	1.19	2.79	4.10	2.28	2.40	1.08	1.12	1.04	1.71

CAL YR 1970 TOTAL 72,824 MEAN 200 MAX 2,550 MIN 14 MEAN‡ 200 CFSM‡ 1.83 IN‡ 24.88
WTR YR 1971 TOTAL 61,897 MEAN 170 MAX 800 MIN 49 MEAN‡ 170 CFSM‡ 1.56 IN‡ 21.15

†Change in contents in Wolcott Reservoir, equivalent in cubic feet per second.

‡Adjusted for storage.

01196580 Muddy River near North Haven, Conn.

LOCATION.--Lat 41°22'07", long 72°50'31", New Haven County, on left bank at downstream side of bridge on Velvet Street, 2 miles southeast of North Haven, and 3 miles upstream from mouth.

DRAINAGE AREA.--16.9 sq mi.

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.58 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--9 years, 25.9 cfs (20.81 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,060 cfs Sept. 12 (gage height, 2.89 ft); minimum discharge 1.6 cfs Aug. 26 (gage height, 0.66 ft).

Period of record: Maximum discharge, 1,160 cfs Feb. 3, 1970; maximum gage height, 4.84 ft Feb. 12, 1963; minimum discharge 0.1 cfs Sept. 10, 1963; minimum gage height, 0.36 ft July 28, 1964.

PEAK DISCHARGE.--(Base, 400 cfs):

DATE	TIME	G.HT	DISCHARGE
2-14	0030	2.19	439
9-12	1630	2.89	1,060

REMARKS.--Records good. Diversion upstream for municipal supply of city of Wallingford.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	13	10	11	38	77	19	26	13	3.5	20	6.1
2	2.9	8.5	9.0	11	22	56	19	22	8.8	8.1	13	5.7
3	2.9	9.2	8.3	11	15	49	30	29	13	5.9	8.5	5.3
4	5.4	6.1	11	11	10	146	28	37	14	5.0	8.0	4.9
5	5.0	9.1	11	22	11	90	23	21	11	4.0	7.1	6.4
6	3.3	6.9	10	60	20	76	20	15	11	3.0	5.6	24
7	2.7	5.8	9.0	40	25	141	100	14	11	2.6	4.7	9.2
8	2.6	5.4	7.0	30	90	98	71	18	7.4	2.3	4.3	6.2
9	2.6	6.4	7.3	20	120	58	46	34	9.7	1.9	5.1	5.7
10	2.6	7.1	7.9	16	80	45	39	28	6.8	2.1	4.1	6.4
11	2.5	6.7	7.7	14	55	48	35	21	5.8	2.2	13	5.0
12	2.5	6.7	8.0	13	60	51	31	14	5.4	2.1	32	466
13	3.7	26	8.0	13	70	55	30	50	5.4	1.9	11	183
14	3.3	50	8.0	12	235	45	28	53	5.0	1.9	6.7	146
15	3.8	26	7.5	12	68	41	25	26	4.6	1.9	7.0	59
16	7.0	20	7.1	11	28	41	23	55	4.0	1.9	6.1	41
17	6.0	13	20	10	23	39	24	53	3.9	2.1	4.1	32
18	4.5	11	21	10	27	35	24	31	3.5	2.2	3.0	30
19	5.0	14	15	10	38	44	21	26	3.9	9.2	2.8	27
20	5.2	23	20	9.5	68	141	18	20	4.1	7.0	3.2	24
21	3.4	38	18	9.3	78	63	18	18	3.6	3.6	3.0	60
22	5.0	20	17	9.1	49	47	19	20	3.1	2.8	2.7	35
23	6.3	17	16	9.0	203	39	18	17	3.2	2.8	2.7	23
24	11	13	15	9.5	95	34	18	14	3.7	2.8	2.4	20
25	9.5	11	14	12	68	30	19	12	7.3	2.6	2.3	18
26	11	10	13	15	57	29	19	14	4.2	2.7	2.2	17
27	6.1	12	13	30	108	30	18	12	3.7	3.5	12	16
28	4.9	12	12	41	123	27	18	11	3.1	2.6	50	15
29	3.5	11	12	23	------	28	29	9.8	2.7	3.4	21	14
30	4.3	12	12	15	------	25	23	13	2.7	87	12	12
31	5.2	------	11	15	------	22	------	16	------	53	7.8	------
TOTAL	146.7	429.9	365.8	534.4	1,894	1,750	853	747.8	188.6	237.6	287.4	1,322.9
MEAN	4.73	14.3	11.8	17.2	67.6	56.5	28.4	24.1	6.29	7.66	9.27	44.1
MAX	11	50	21	60	235	146	100	55	14	87	50	466
MIN	2.5	5.4	7.0	9.0	10	22	18	9.8	2.7	1.9	2.2	4.9
(■)	+2.61	+2.05	+2.97	+4.22	+3.05	+5.04	+1.82	+4.75	+3.64	+1.71	+1.98	+1.26
MEAN■	7.34	16.4	14.8	21.3	70.6	61.5	30.2	28.8	9.93	9.37	11.2	45.4
CFSM■	0.43	0.97	0.88	1.26	4.18	3.65	1.79	1.70	0.59	0.55	0.66	2.69
IN■	0.50	1.08	1.02	1.45	4.35	4.21	2.00	1.96	0.66	0.63	0.76	3.00

CAL YR 1970 TOTAL 9,880.9 MEAN 27.1 MAX 462 MIN 1.0 MEAN■ 28.7 CFSM■ 1.70 IN■ 23.08

WTR YR 1971 TOTAL 8,758.1 MEAN 24.0 MAX 466 MIN 1.9 MEAN■ 26.9 CFSM■ 1.59 IN■ 21.58

■ Diversion for municipal supply of city of Wallingford from Pine River Reservoir, equivalent in cubic feet per second, records furnished by Water Division, town of Wallingford.

■ Adjusted for diversion

Reservoir in Quinnipiac River basin

01195800:- WOLCOTT RESERVOIR.--Lat 41°36'35", long 72°56'08", New Haven County, on Roaring Brook in Eightmile River basin, 2.1 miles northeast of Wolcott. Drainage area, 2.5 sq mi. Completed in 1904 for storage of water for municipal supply of city of New Britain. Usable capacity, 22,700,000 cu ft. Records available, September 1960 to current year. Records furnished by Board of Water Commissioners, New Britain, Conn.

Month-end usable contents, in millions of cubic feet, water year October 1970 to September 1971

Date	Wolcott Reservoir
Sept. 30, 1970	9.9
Oct. 31	8.9
Nov. 30	6.4
Dec. 31	8.0
Jan. 31, 1971	6.4
Feb. 28	13.3
Mar. 31	22.7
Apr. 30	18.6
May 31	17.4
June 30	11.4
July 31	12.9
Aug. 31	15.2
Sept. 30	10.8

01198500 Blackberry River at Canaan, Conn.

LOCATION.--Lat 42°01'26", long 73°20'32", Litchfield County, on right bank just downstream from bridge on U.S. Highway 44, 0.7 mile southwest of Canaan, and 1.25 miles upstream from mouth.

DRAINAGE AREA.--48.2 sq mi.

PERIOD OF RECORD.--July 1949 to September 1971 (discontinued as a continuous-record station; converted to a crest-stage partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 645.72 ft above mean sea level.

AVERAGE DISCHARGE.--22 years, 73.7 cfs(20.76 inches per year).

EXTREMES.--Current year: Maximum discharge, 496 cfs Aug. 28, minimum daily 3.6 cfs July 28.
Period of record: Maximum discharge, 14,200 cfs Aug. 19, 1955 (gage height, 13.01 ft), from rating curve extended above 2,400 cfs on basis of slope-area measurement of peak flow; minimum daily 1.5 cfs July 31, and Aug. 1, 1965.
Flood of Dec. 31, 1948 reached a stage of 12.0 ft from floodmarks (discharge, 7,000 cfs, from slope-area measurement at East Canaan, 2.5 miles upstream adjusted for intervening drainage area).

PEAK DISCHARGE.--(Base, 800 cfs): No peak above base.

REMARKS.--Records good. Infrequent regulation at low flow. High flow regulated by Thousand Acre Swamp and Norfolk Brook Detention reservoirs, having a combined usable capacity of 96,700,000 cu ft and affected by Whiting River detention Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	17	41	28	28	150	102	115	57	9.9	36	23
2	16	17	37	31	25	131	160	95	47	14	37	18
3	17	16	35	30	24	107	336	150	52	11	40	15
4	27	18	71	43	25	89	281	228	47	9.9	49	12
5	19	46	59	60	24	92	221	171	41	7.9	33	9.6
6	17	38	49	50	25	86	179	131	36	7.9	23	8.3
7	16	31	37	43	25	98	196	107	33	6.2	17	7.1
8	14	27	32	40	24	102	195	107	36	5.4	13	6.6
9	13	31	36	37	31	81	190	187	49	5.1	11	5.9
10	15	27	37	35	33	74	244	230	36	5.2	8.7	5.0
11	15	29	34	33	30	69	206	155	30	5.2	7.7	5.0
12	13	27	33	32	30	66	227	121	27	5.4	10	17
13	13	30	39	31	44	66	306	229	25	4.6	9.0	23
14	12	54	38	30	170	65	338	243	23	4.9	6.7	143
15	20	68	34	30	119	104	264	156	21	4.7	6.1	76
16	27	74	31	29	81	256	196	148	19	4.3	5.5	56
17	21	57	32	27	70	187	162	140	17	4.6	6.9	45
18	20	46	45	28	57	132	148	132	15	5.5	6.9	48
19	18	43	47	28	66	112	149	94	14	5.4	6.3	41
20	16	47	67	28	70	113	158	81	13	9.1	7.7	31
21	16	86	42	29	80	99	152	75	12	7.1	10	79
22	28	67	36	27	81	92	138	86	13	5.6	8.1	57
23	68	101	39	26	85	80	127	71	14	6.5	6.3	40
24	52	75	40	25	79	80	103	62	12	4.2	6.9	33
25	40	37	39	25	69	72	111	59	11	5.7	6.3	25
26	38	47	38	28	70	69	108	76	19	5.1	3.9	21
27	32	45	36	48	172	69	97	67	16	4.2	13	18
28	25	41	34	59	185	74	92	56	11	3.6	229	17
29	21	60	37	33	------	87	149	51	10	5.7	101	14
30	18	66	31	31	------	96	140	50	9.6	17	54	13
31	17	------	33	29	------	96	------	66	------	41	36	------
TOTAL	702	1,368	1,216	1,051	1,835	3,107	5,438	3,738	763.6	238.2	801.5	910.1
MEAN	22.6	44.9	39.2	33.9	65.5	100	181	120	25.5	7.68	25.9	30.3
MAX	68	101	71	60	185	256	338	263	57	41	229	143
MIN	12	16	31	25	24	65	92	50	9.6	3.6	3.9	5.0
CFSM	.47	.93	.81	.70	1.36	2.07	3.76	2.49	.53	.16	.54	.63
IN.	.54	1.06	.94	.81	1.42	2.40	4.20	2.88	.59	.18	.62	.70

CAL YR 1970 TOTAL 24,605.9 MEAN 67.4 MAX 1,210 MIN 3.9 CFSM 1.40 IN 18.99
WTR YR 1971 TOTAL 21,139.4 MEAN 57.9 MAX 338 MIN 3.6 CFSM 1.20 IN 16.32

01198800 Hollenbeck River at Huntsville, Conn.

LOCATION.--Lat 41°56'55", long 73°19'18", Litchfield County, at bridge on State Highway 63, 0.5 mile northwest of Huntsville.

DRAINAGE AREA.--18.9 sq mi.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1966-67. October 1, 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 655 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 226 cfs April 14 (gage height, 7.27 ft); minimum 2.4 cfs August 25-27 (gage height 1.91 ft).

PEAK DISCHARGE.--(Base, 200 cfs):

DATE	TIME	G.HT	DISCHARGE
4-03	2100	7.15	222
4-14	0030	7.27	226
8-28	1230	6.86	208
9-14	0500	7.20	205

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	5.1	15	11	8.7	65	49	52	32	6.7	7.7	7.6
2	4.4	4.8	13	12	7.0	50	79	45	20	7.7	7.0	6.6
3	5.0	4.7	12	11	6.6	37	200	65	21	5.9	4.6	5.6
4	7.0	5.3	30	11	6.3	34	176	113	19	4.9	26	5.9
5	5.0	9.2	39	35	6.0	36	136	78	15	4.4	21	6.9
6	4.5	9.7	25	30	5.6	35	101	55	11	4.1	15	6.6
7	4.3	7.8	26	29	5.6	37	115	67	11	3.9	11	6.5
8	3.8	6.7	19	21	5.2	44	119	67	11	3.6	9.0	6.4
9	3.6	5.9	14	19	5.0	47	97	93	13	3.6	7.2	6.4
10	3.2	5.7	13	17	4.8	37	143	121	10	3.5	6.0	6.2
11	3.3	6.1	15	19	4.6	22	127	70	8.2	3.4	4.8	6.1
12	3.2	9.9	16	16	4.5	21	143	53	7.4	3.6	4.3	7.1
13	2.9	8.0	15	13	14	21	180	101	7.6	3.2	3.8	14
14	2.9	21	12	17	64	23	201	134	7.2	3.1	3.3	153
15	3.5	44	16	18	60	33	130	71	6.8	3.2	3.1	95
16	7.5	52	15	16	39	101	106	66	6.0	3.7	3.9	38
17	7.1	31	22	15	28	106	85	69	6.6	3.3	2.9	27
18	5.8	19	22	14	25	72	79	52	4.4	3.2	2.6	21
19	4.8	15	17	13	24	60	86	44	6.3	3.6	2.5	17
20	4.2	17	17	12	29	60	90	39	6.0	4.0	6.9	13
21	4.0	62	15	12	39	52	93	36	6.2	3.6	3.6	26
22	5.3	45	14	11	39	47	78	41	6.1	3.2	3.2	27
23	50	42	14	10	60	45	66	34	5.9	2.9	2.9	17
24	33	38	16	9.8	56	42	57	28	5.4	2.9	2.7	13
25	14	22	14	12	24	43	62	27	5.3	2.9	2.5	12
26	9.8	16	13	16	21	39	64	37	6.2	3.1	2.6	11
27	7.6	15	13	20	20	36	55	30	5.7	2.9	2.4	11
28	6.7	15	12	15	89	37	51	26	5.1	2.9	102	19
29	6.0	14	12	11	------	42	73	20	4.8	2.6	46	9.8
30	5.6	15	11	9.5	------	47	67	19	4.6	3.6	17	9.2
31	5.4	------	11	8.7	------	47	------	36	------	4.4	9.3	------
TOTAL	237.9	565.8	524	469.7	676.0	1,408	3,113	1,745	287.6	115.6	354.0	582.0
MEAN	7.65	18.9	16.9	15.2	24.1	45.4	104	56.3	9.59	3.73	11.4	19.4
MAX	50	62	39	35	89	106	201	134	32	7.7	102	153
MIN	2.9	4.7	11	8.7	4.5	21	49	19	4.6	2.6	2.4	6.1
CFSM	.40	1.00	.89	.80	1.28	2.40	5.50	2.98	.51	.20	.60	1.03
IN.	.47	1.11	1.03	.92	1.33	2.77	6.13	3.43	.57	.23	.70	1.15

WTR YR 1971 TOTAL 10,077.8 MEAN 27.6 MAX 201 MIN 2.4 CFSM 1.46 IN 19.84

01198851 Wangum Lake Brook near Huntsville, Conn.

LOCATION.--Lat 41°57'11", long 73°16'47", Litchfield County, on left bank, 10 ft downstream from under Mountain Road, 1.8 miles northeast of Huntsville.

DRAINAGE AREA.--5.32 sq mi.

PERIOD OF RECORD.--October 1970 to September 1971.

GAGE.--Water-stage recorder and V-notch weir. Altitude of gage is 685 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 90 cfs Apr. 3 (gage height, 2.89 ft); minimum 0.01 cfs Aug. 19. Periods of no flow were observed in the summer of 1970.

PEAK DISCHARGE--(Base, 35 cfs):

DATE	TIME	G.HT	DISCHARGE
2-28	0030	2.51	35
3-16	1700	2.57	43
4-03	1600	2.89	90
4-14			Unknown
5-18			Unknown
5-14			Unknown
8-28	0830	2.83	65
9-14	0030	3.02	76

REMARKS.--Records good, except for period of missing record, which is fair. No gage-height record April 6 to July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	.90	4.8	2.9	2.5	25	9.0	14	6.4	.36	.50	1.2
2	1.0	.82	4.4	2.9	2.3	19	25	12	4.5	.47	.62	.71
3	1.0	.71	4.0	2.9	2.1	16	79	16	4.4	.40	1.3	.48
4	1.5	.71	11	2.9	1.9	16	57	31	4.1	.40	2.5	.37
5	1.2	2.1	7.7	5.0	1.8	18	34	26	3.5	.36	.88	1.2
6	1.1	1.8	6.8	8.3	1.6	12	25	18	3.0	.31	.36	1.8
7	.95	1.5	4.9	7.2	1.6	17	26	14	2.6	.29	.22	.90
8	.86	1.2	6.0	6.0	1.5	17	28	13	2.5	.22	.14	.54
9	.80	.96	4.5	5.0	1.5	14	24	21	4.3	.19	.11	.33
10	.77	.90	4.2	4.5	1.4	12	33	32	2.1	.12	.08	.24
11	.76	1.4	3.7	4.0	1.4	10	31	22	1.7	.10	.07	.17
12	.76	1.6	3.8	3.6	1.4	6.8	33	16	1.6	.10	.10	2.1
13	.72	2.2	4.1	3.3	2.2	6.4	39	23	1.5	.09	.08	7.1
14	.70	6.8	4.1	3.1	21	6.0	42	34	1.4	.04	.06	49
15	.80	12	3.7	3.0	15	11	34	22	1.3	.02	.05	16
16	1.6	11	4.7	2.9	11	34	27	19	1.1	.07	.03	9.0
17	1.4	6.4	3.7	2.8	9.0	29	22	20	1.0	.12	.02	5.7
18	1.2	4.2	3.8	2.8	4.7	15	20	15	.97	.14	.02	5.7
19	1.0	3.7	3.7	2.8	3.7	18	22	12	.86	.18	.01	4.7
20	.90	4.7	4.1	2.7	3.9	19	24	11	.79	.24	.42	3.7
21	.80	15	3.8	2.7	6.0	12	23	9.2	.72	.13	.18	9.6
22	1.0	7.5	3.5	2.7	7.1	10	20	11	.65	.10	.10	7.5
23	10	16	3.5	2.7	12	9.4	16	8.7	.58	.07	.08	5.2
24	6.0	9.0	3.6	2.6	11	8.3	14	6.4	.54	.07	.07	4.2
25	3.5	6.7	3.7	2.6	8.3	7.5	15	6.0	.50	.08	.07	3.1
26	2.5	5.4	3.7	3.5	5.7	6.8	16	8.3	.69	.08	.06	2.9
27	2.0	5.0	3.5	5.0	22	6.0	14	6.4	.58	.09	.78	2.8
28	1.7	4.9	3.3	4.0	32	6.0	12	5.5	.47	.08	24	2.5
29	1.4	4.6	3.1	3.5	------	7.5	18	4.6	.36	.07	7.1	2.2
30	1.2	5.7	3.0	3.1	------	7.9	17	4.5	.36	.36	3.7	2.0
31	1.0	------	3.0	2.8	------	7.9	------	6.9	------	1.5	2.2	------
TOTAL	51.12	145.40	135.4	113.8	195.8	414.5	799.0	468.5	55.06	6.85	45.99	152.74
MEAN	1.65	4.85	4.37	3.67	6.99	13.4	26.6	15.1	1.84	.22	1.48	5.09
MAX	10	16	11	8.3	32	34	79	34	6.4	1.5	24	49
MIN	.70	.71	3.0	2.6	1.4	6.0	9.0	4.5	.36	.02	.01	.17
CFSM	.31	.91	.82	.69	1.31	2.52	5.00	2.84	.35	.04	.28	.96
IN.	.36	1.02	.95	.80	1.37	2.90	5.59	3.28	.39	.05	.32	1.07

WTR YR 1971 TOTAL 2,583.96 MEAN 7.08 MAX 79 MIN .01 CFSM 1.33 IN 18.07

01198860 Deming Brook near Huntsville, Conn.

LOCATION.--Lat 41°57'52", long 73°18'07", Litchfield County, on left bank, 20 ft downstream from under Mountain Road, 0.60 mile upstream from mouth, and 1.5 miles northeast of Huntsville.

DRAINAGE AREA.--1.08 sq mi.

PERIOD OF RECORD.--October 1970 to September 1971.

GAGE.--Water-stage recorder. Altitude of gage is 780 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge 20 cfs Apr. 3, 13 (gage height, 1.64 ft); minimum 0.02 cfs July 16-18, 20-22, 28 (gage height, 1.07 ft).

PEAK DISCHARGE.--(Base, 7.0 cfs):

DATE	TIME	G.HT	DISCHARGE
~~3-16~~	~~1800~~	~~1.51~~	~~6.8~~
4-03	0200	1.64	20
4-13	1800	1.64	20
5-13	1930	1.55	10
8-28	1000	1.56	13
9-14	0230	1.58	14

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.22	.15	1.3	.52	.35	5.3	3.4	2.3	1.2	.11	.13	.11
2	.21	.16	1.6	.55	.35	4.5	6.9	1.9	.97	.10	.36	.09
3	.24	.16	.86	.50	.35	3.6	16	3.5	1.3	.08	.39	.09
4	.30	.18	3.0	.57	.35	2.8	7.0	5.8	1.0	.07	.49	.08
5	.25	.94	2.0	2.2	.35	2.4	5.9	4.3	.70	.07	.15	.08
6	.21	.55	1.6	3.0	.35	2.3	4.7	3.3	.48	.06	.08	.16
7	.19	.32	1.1	1.9	.35	3.3	4.3	2.7	.42	.05	.06	.12
8	.17	.26	.91	1.4	.35	3.3	4.5	2.9	.44	.05	.05	.11
9	.16	.22	.87	1.2	.40	2.3	4.3	4.8	.61	.04	.05	.10
10	.15	.24	.58	1.1	.34	1.9	7.9	5.4	.34	.04	.05	.09
11	.15	.47	.70	1.0	.30	1.9	7.4	3.7	.30	.04	.05	.09
12	.14	.41	.76	.91	.32	1.8	9.8	3.0	.25	.03	.06	.41
13	.14	.65	.79	.90	1.3	1.6	12	4.9	.25	.03	.06	.88
14	.14	2.0	.84	.75	3.5	1.6	9.1	5.2	.24	.03	.05	8.4
15	.16	2.4	.61	.70	3.7	2.6	5.2	3.7	.20	.03	.05	3.8
16	.33	2.4	.58	.64	2.6	6.0	4.5	3.8	.18	.02	.05	1.8
17	.31	1.5	.49	.60	1.5	5.4	3.7	3.8	.17	.02	.05	.94
18	.26	1.0	.69	.58	1.3	3.9	3.8	2.9	.15	.02	.05	1.3
19	.21	.96	.68	.56	1.4	3.3	4.3	2.4	.15	.03	.06	.99
20	.20	1.3	.80	.53	1.6	3.1	4.1	2.0	.15	.02	.07	.60
21	.18	3.4	.70	.50	2.5	2.6	3.6	1.9	.13	.02	.06	3.7
22	.30	2.0	.63	.49	2.5	2.3	3.0	2.5	.13	.02	.07	2.6
23	1.9	3.5	.62	.47	2.2	2.2	2.4	1.7	.12	.03	.07	1.3
24	.85	2.3	.60	.43	1.7	1.8	2.0	1.4	.11	.03	.06	.83
25	.41	1.5	.60	.42	1.6	1.7	2.2	1.5	.11	.03	.07	.52
26	.30	1.2	.60	.67	1.8	1.6	2.7	2.2	.12	.03	.06	.44
27	.26	1.1	.54	.92	4.5	1.6	2.4	1.4	.11	.03	.26	.42
28	.24	1.1	.50	.65	5.7	1.7	2.1	1.2	.10	.02	4.6	.35
29	.20	.99	.50	.49	------	2.1	3.4	1.1	.09	.06	1.0	.35
30	.18	1.6	.46	.43	------	2.8	2.9	1.1	.10	.06	.30	.33
31	.18	------	.50	.37	------	2.9	------	1.9	------	.23	.16	------
TOTAL	9.14	34.96	26.89	25.83	43.56	86.2	155.5	90.2	10.62	1.50	9.07	31.08
MEAN	.29	1.17	.87	.83	1.56	2.78	5.18	2.91	.35	.048	.29	1.04
MAX	1.9	3.5	3.0	3.0	5.7	6.0	16	5.8	1.3	.23	4.6	8.4
MIN	.14	.15	.46	.37	.30	1.6	2.0	1.1	.09	.02	.05	.08
CFSM	.27	1.08	.81	.77	1.44	2.57	4.80	2.69	.32	.04	.27	.96
IN.	.31	1.20	.93	.89	1.50	2.97	5.36	3.11	.37	.05	.31	1.07

WTR YR 1971 TOTAL 524.57 MEAN 1.44 MAX 16 MIN .02 CFSM 1.33 IN 18.07

01198870 Ledgy Brook near Huntsville, Conn.

LOCATION.--Lat 41°58'02", long 73°18'26", Litchfield County, on left upstream wingwall, at bridge on Under Mountain Road, 0.55 mile upstream from mouth, and 1.6 miles northeast of Huntsville.

DRAINAGE AREA.--0.66 sq mi.

PERIOD OF RECORD.--October 1970 to September 1971.

GAGE.--Water-stage recorder, and timber dam and V-notch weir. Altitude of gage is 780 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge 11 cfs Apr. 3 (gage height, 2.10 ft); minimum 0.01 cfs many days in July and August.

PEAK DISCHARGE.--(Base, 6.0 cfs):

DATE	TIME	G.HT	DISCHARGE
2-27	1300	1.99	6.7
3-16	1730	1.99	6.7
4-03	0100	2.10	11
4-13	1800	1.99	9.2
5-13	2300	2.00	6.0
8-28	1000	1.97	6.0
9-14	0100	2.07	8.8

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.07	.10	.66	.30	.22	5.3	3.5	1.2	.53	.04	.07	.08
2	.06	.10	.55	.29	.21	4.6	6.5	.97	.44	.04	.10	.06
3	.06	.05	.51	.28	.20	3.8	8.0	2.4	.47	.03	.10	.05
4	.08	.10	1.8	.32	.20	3.3	6.0	4.8	.41	.02	.14	.04
5	.13	.38	1.2	1.3	.19	3.1	4.7	3.2	.34	.02	.09	.04
6	.07	.37	.87	1.0	.19	2.8	3.5	2.0	.25	.02	.05	.04
7	.06	.24	.58	.63	.19	3.1	3.5	1.4	.24	.02	.03	.04
8	.05	.15	.56	.58	.19	3.1	3.2	1.5	.23	.02	.03	.04
9	.05	.16	.51	.51	.22	2.8	3.2	3.4	.24	.02	.02	.04
10	.05	.17	.51	.48	.21	2.5	5.8	3.9	.19	.02	.02	.04
11	.04	.27	.49	.45	.19	2.3	5.5	2.4	.16	.02	.03	.04
12	.04	.29	.45	.40	.35	2.2	6.2	1.7	.15	.01	.02	.12
13	.04	.42	.52	.39	.93	2.1	6.7	2.0	.14	.01	.02	.54
14	.04	1.5	.52	.37	4.2	2.1	5.5	4.2	.12	.01	.01	4.9
15	.04	1.7	.40	.36	1.9	2.6	4.0	2.7	.11	.01	.01	2.2
16	.07	1.4	.42	.36	1.2	5.7	3.3	2.5	.10	.01	.01	.90
17	.10	.84	.44	.35	1.1	4.2	2.8	2.5	.09	.02	.01	.52
18	.09	.62	.40	.34	1.0	3.1	2.6	1.8	.08	.02	.01	.56
19	.08	.54	.40	.33	1.1	2.5	3.3	1.3	.07	.03	.01	.52
20	.07	.69	.45	.32	1.2	2.1	2.8	1.1	.07	.02	.02	.38
21	.06	1.9	.40	.32	1.8	1.8	2.2	.99	.07	.01	.01	1.9
22	.14	1.1	.40	.31	1.8	1.4	1.4	1.1	.06	.01	.01	1.1
23	.79	1.8	.38	.25	1.5	1.3	1.0	.83	.05	.01	.01	.60
24	.38	1.2	.40	.24	1.2	1.1	.78	.72	.05	.01	.01	.42
25	.22	.84	.38	.24	1.1	1.0	.72	.72	.05	.01	.01	.30
26	.17	.66	.38	.30	1.1	1.0	.90	.77	.05	.01	.01	.25
27	.14	.60	.38	.56	4.9	.95	.87	.65	.03	.01	.01	.26
28	.12	.53	.36	.45	5.7	1.0	.90	.57	.04	.01	2.8	.29
29	.12	.49	.38	.35	------	1.4	1.9	.51	.03	.01	.72	.28
30	.11	.72	.46	.30	------	2.2	1.8	.50	.03	.05	.25	.20
31	.11	------	.35	.25	------	2.6	------	.61	------	.13	.13	------
TOTAL	3.62	20.01	16.51	12.93	34.29	79.05	103.07	55.76	4.93	.67	4.77	16.79
MEAN	.12	.67	.53	.42	1.22	2.55	3.44	1.80	.16	.022	.15	.56
MAX	.79	1.9	1.8	1.3	5.7	5.7	8.0	4.8	.53	.13	2.8	4.9
MIN	.04	.09	.35	.24	.19	.95	.72	.50	.03	.01	.01	.04
CFSM	.18	1.02	.80	.64	1.85	3.86	5.21	2.73	.24	.03	.23	.85
IN.	.20	1.13	.93	.73	1.93	4.46	5.81	3.14	.28	.04	.27	.94

WTR YR 1971 TOTAL 352.36 MEAN .97 MAX 8.0 MIN .01 CFSM 1.47 IN 19.86

01198000 Wangum Lake Brook near South Canaan, Conn.

LOCATION.--Lat 41°57'42", long 73°18'52", Litchfield County, right bank just downstream from Barnes Road, 1.1 miles east of South Canaan.

DRAINAGE AREA.--10.1 sq mi.

PERIOD OF RECORD.--October 1970 to September 1971.

GAGE.--Water-stage recorder. Altitude of gage is 650 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge 101 cfs Apr. 3 (gage height, 5.70 ft); minimum 0.10 cfs July 28.

PEAK DISCHARGE--(Base, 80 cfs):

DATE	TIME	G.HT	DISCHARGE
2-28	1700	4.90	72
3-17	0030	5.00	75
4-03	2400	5.70	101
4-14	0330	5.83	96
5-10	0530	5.07	77
5-14	0300	5.35	84
8-28	1730	4.90	73
9-14	1200	5.34	84

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.7	9.0	5.7	4.2	61	21	30	14	1.0	3.4	3.5
2	2.3	2.8	8.4	5.3	3.9	46	50	25	9.7	1.3	4.6	2.8
3	2.4	2.6	7.8	5.3	3.5	31	94	35	5.6	1.1	5.1	2.3
4	3.5	3.0	16	5.7	3.3	25	85	67	8.9	1.1	6.9	2.0
5	3.0	4.5	13	11	3.2	31	75	56	7.4	1.0	4.8	1.8
6	3.5	5.2	11	10	3.0	22	55	39	4.5	.07	3.7	2.1
7	2.1	4.1	8.5	14	2.8	32	57	31	5.7	.08	2.7	2.3
8	1.9	3.8	8.7	11	2.7	35	60	29	5.5	.60	2.2	2.2
9	1.9	3.3	8.5	5.4	2.6	23	53	46	5.4	.52	1.3	2.0
10	1.7	3.2	7.2	8.6	2.5	15	72	70	5.5	.33	.08	1.8
11	1.9	3.5	6.8	7.4	2.5	10	67	47	4.7	.27	.45	1.5
12	1.7	4.5	6.7	6.4	2.5	13	72	35	4.4	.27	.71	3.7
13	1.6	5.0	6.8	6.2	11	12	84	51	4.3	.26	.30	7.3
14	1.5	8.0	6.8	5.6	37	12	61	71	4.0	.23	.42	73
15	2.0	13	6.4	5.7	36	16	74	67	3.6	.22	.60	42
16	3.8	28	5.5	5.5	26	61	50	42	3.1	.20	.40	22
17	3.6	13	6.3	4.8	20	62	48	45	2.5	.33	.27	11
18	3.0	11	6.5	4.4	18	36	44	33	2.7	.40	.19	9.9
19	2.5	8.4	7.0	4.5	20	27	47	27	2.4	.50	.23	8.7
20	2.7	9.4	7.3	4.6	21	28	53	26	2.2	.67	.96	7.0
21	2.1	35	7.1	4.5	26	25	50	20	2.0	.65	1.2	18
22	2.7	39	6.7	4.2	23	20	43	23	1.0	.32	.05	10
23	25	19	6.6	4.5	25	18	35	19	1.5	.30	.55	9.0
24	16	14	6.6	5.0	24	17	30	16	1.5	.20	.37	7.6
25	10	11	6.6	5.1	22	16	33	13	1.4	.65	.25	6.1
26	5.0	9.5	6.6	6.5	15	15	36	10	1.5	.32	.10	5.6
27	3.7	9.3	6.3	5.5	46	14	30	14	1.4	.20	1.9	5.0
28	3.3	9.0	6.1	7.3	65	15	27	12	1.3	.10	69	6.2
29	3.1	8.8	5.6	5.7	-------	17	39	10	1.0	.37	21	6.1
30	2.9	9.6	5.4	5.0	-------	18	38	9.0	1.0	1.3	8.3	3.0
31	7.0	-------	5.0	4.7	-------	15	-------	15	-------	4.1	5.0	-------
TOTAL	122.0	288.0	229.6	209.7	465.7	806	1,623	1,017.0	132.1	20.06	128.45	286.9
MEAN	3.56	9.63	7.41	6.76	16.0	25.9	54.1	32.8	4.40	.65	4.14	9.55
MAX	25	35	16	16	65	62	94	73	14	4.1	69	73
MIN	1.5	2.6	5.0	4.4	2.5	12	21	9.0	1.0	.10	.10	1.5
CFSM	.35	.95	.73	.67	1.58	2.56	5.38	3.25	.44	.06	.41	.95
IN.	.45	1.06	.85	.77	1.73	2.96	5.98	3.75	.49	.07	.47	1.06

WTR YR 1971 TOTAL 5,331.71 MEAN 14.6 MAX 94 MIN .10 CFSM 1.45 IN 19.66

01199000 Housatonic River at Falls Village, Conn.

LOCATION.--Lat 41°57'26", long 73°22'11", Litchfield County, on left bank at hydroelectric plant of Hartford Electric Light Co., at Falls Village, 1.4 miles downstream from Hollenbeck River, and at mile 75.9.

DRAINAGE AREA.--630 sq mi.

PERIOD OF RECORD.--July 1912 to current year.

GAGE.--Water-stage recorder. Datum of gage is 529.06 ft above mean sea level, (levels by Corps of Engineers). Prior to Oct. 26, 1964, at site 0.6 mile downstream at datum 6.72 ft lower).

AVERAGE DISCHARGE.--59 years, 1045 cfs (22.57 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,550 cfs Apr. 15 (gage height, 6.34 ft); minimum discharge, 26 cfs Aug. 10 (gage height, 1.00 ft); minimum daily 141 cfs Aug. 19.

Period of record: Maximum discharge, 23,980 cfs Jan 1, 1949 (gage height, 19.4 ft, present datum from floodmarks); practically no flow at times when power plant was shut down; minimum daily, 24 cfs Oct. 15, 1914, Sept 18, 1932.

PEAK DISCHARGE.--(Base, 3,600 cfs):

DATE	TIME	G.HT	DISCHARGE
4-15	1500	6.34	4,550

REMARKS.--Records good. Low flow completely regulated by power plant of Hartford Electric Light Company. Records of water temperature are collected at reservoir 0.4 miles upstream and are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	360	348	690	449	474	2,040	1,380	2,230	1,030	200	539	871
2	284	318	641	448	541	2,070	1,520	2,070	944	320	595	574
3	249	362	628	459	487	1,930	2,330	1,990	840	657	444	493
4	281	422	738	514	350	1,610	3,310	2,540	900	414	690	406
5	347	348	867	569	372	1,270	3,450	2,950	814	367	737	394
6	381	597	747	826	373	1,510	3,190	2,840	797	290	518	341
7	286	531	611	780	400	1,340	2,910	2,530	682	123	347	344
8	306	481	455	699	446	1,520	2,980	2,120	617	269	312	340
9	261	409	595	623	430	1,330	2,790	2,250	640	249	320	322
10	176	437	592	546	478	1,150	2,880	2,790	477	244	212	305
11	236	617	545	699	452	1,090	2,910	2,710	837	271	311	245
12	219	540	515	587	451	1,080	2,970	2,410	661	245	244	379
13	275	485	542	288	539	1,060	3,260	2,330	457	251	366	601
14	172	606	582	419	759	1,000	3,760	3,140	562	229	388	1,230
15	214	683	520	414	981	1,080	4,040	3,050	443	226	277	1,420
16	658	870	452	415	998	1,670	3,810	2,720	487	226	280	1,200
17	992	900	526	419	924	2,200	3,380	2,540	431	367	404	973
18	582	720	588	419	813	2,100	2,780	2,210	457	357	246	897
19	369	633	578	415	838	1,980	2,490	1,980	360	346	141	926
20	314	612	651	415	964	1,750	2,510	1,740	313	381	172	755
21	414	829	619	415	1,030	1,650	2,670	1,500	356	343	234	927
22	280	883	573	475	1,070	1,580	2,760	1,520	351	522	192	1,090
23	520	984	560	481	1,100	1,430	2,720	1,610	288	277	216	936
24	570	997	524	439	1,080	1,350	2,400	1,320	297	282	173	805
25	420	921	584	436	1,030	1,240	2,180	1,240	414	199	168	659
26	407	636	602	511	1,000	1,140	2,150	1,240	335	223	252	996
27	731	646	515	680	1,310	1,190	2,080	1,160	383	221	407	632
28	1,830	669	525	1,280	1,460	1,190	1,970	1,020	395	221	777	602
29	1,460	641	496	1,280	------	1,170	2,030	1,200	357	236	1,870	547
30	421	660	629	981	------	1,310	2,300	1,040	357	229	1,760	950
31	415	------	673	277	------	1,400	------	1,000	------	307	1,800	------
TOTAL	14,421	18,633	17,855	17,653	21,503	45,340	81,770	63,060	16,842	8,956	14,996	20,418
MEAN	465	621	576	569	768	1,463	2,726	2,034	561	289	484	681
MAX	1,830	997	867	1,280	1,460	2,200	4,040	3,140	1,030	657	1,870	1,420
MIN	172	318	429	277	350	1,000	1,380	1,000	288	199	141	245
CFSM	.74	.99	.91	.90	1.22	2.32	4.33	3.23	.89	.46	.77	1.08
IN.	.85	1.10	1.05	1.04	1.27	2.68	4.83	3.72	.99	.53	.89	1.21

CAL YR 1970 TOTAL 348,112 MEAN 954 MAX 6,550 MIN 130 CFSM 1.51 IN 20.56
WTR YR 1971 TOTAL 341,445 MEAN 935 MAX 4,040 MIN 141 CFSM 1.48 IN 20.16

01199050 Salmon Creek at Lime Rock, Conn.

LOCATION.--Lat 41°56'32", long 73°23'29", Litchfield County, on left bank 300 ft upstream from bridge on Uptown Salisbury Road, 0.6 mile north of Lime Rock, and 3.0 miles upstream from mouth.

DRAINAGE AREA.--29.1 sq mi.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 620.37 ft above mean sea level.

AVERAGE DISCHARGE.--10 years, 38.5 cfs (17.97 inches per year).

EXTREMES.--Current year:--Maximum discharge 433 cfs Sept. 15 (gage height, 3.15 ft); minimum 2.5 cfs Aug. 25-26 (gage height, 0.83 ft).

Period of record: Maximum discharge, 962 cfs Aug. 5, 1969 (gage height, 4.53 ft); minimum 0.7 cfs Sept. 25, 1964 (gage height, 0.77 ft).

Flood of Aug. 19, 1955, reached a stage of about 13.5 ft from floodmarks (discharge, 6,300 cfs from rating curve extended above 350 cfs on basis of contracted-opening measurement of peak flow).

PEAK DISCHARGE.--(Base, 250 cfs):

DATE	TIME	G.HT	DISCHARGE
9-15	0830	3.15	433

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	27	32	29	20	100	59	57	38	11	19	11
2	11	25	62	23	20	95	67	91	34	18	32	11
3	12	27	74	23	20	79	120	66	30	12	32	9.1
4	15	27	66	23	22	76	124	120	26	11	60	8.5
5	12	67	99	30	30	77	116	111	29	9.2	19	8.7
6	13	66	53	60	20	66	98	91	26	8.5	17	8.6
7	13	99	31	33	20	78	156	91	29	8.9	15	8.0
8	13	36	65	31	30	87	167	88	26	7.1	9.1	7.5
9	13	99	29	27	23	67	115	113	29	7.9	7.7	7.2
10	16	61	28	28	28	60	137	111	28	7.3	7.1	6.8
11	13	96	31	27	21	58	120	88	18	7.0	6.9	6.6
12	13	67	31	28	21	96	127	90	17	7.3	8.0	14
13	13	67	32	96	20	90	132	119	18	6.6	6.1	17
14	16	69	42	28	65	95	107	100	16	7.6	9.3	130
15	20	68	90	30	60	63	160	120	16	6.6	6.9	120
16	43	75	65	20	60	100	110	99	15	9.0	6.6	191
17	25	96	98	29	95	101	100	100	16	6.1	6.0	167
18	30	91	29	25	50	92	81	89	13	6.0	6.1	112
19	18	69	26	25	28	76	77	72	13	7.9	5.5	79
20	18	67	28	27	57	80	79	65	12	8.7	6.6	61
21	25	80	20	20	67	76	67	62	12	7.6	6.9	110
22	25	96	27	27	67	66	66	62	12	6.7	6.7	89
23	61	66	33	23	51	66	61	53	11	5.9	5.9	66
24	60	66	28	26	60	99	59	67	10	5.8	5.2	56
25	96	67	27	30	63	53	61	65	10	6.2	2.7	67
26	97	95	26	32	66	67	50	50	14	6.2	2.7	63
27	91	99	26	30	80	60	59	63	13	5.3	7.2	60
28	65	99	25	30	177	59	51	62	12	7.9	119	38
29	65	56	28	30	------	56	36	30	11	7.1	52	36
30	70	56	26	31	------	57	60	37	10	15	30	33
31	30	------	26	31	------	56	------	62	------	26	15	------
TOTAL	738	1,590	970	838	1,238	2,146	2,969	2,367	570	266.6	499.0	1,630.1
MEAN	23.8	53.0	31.6	27.0	50.4	69.2	98.9	76.4	19.0	8.60	15.5	54.4
MAX	98	99	92	67	177	108	167	150	39	26	119	191
MIN	11	25	24	23	20	60	51	37	10	6.0	2.7	6.6
CFSM	.82	1.79	1.09	.93	1.73	2.38	3.38	2.63	.65	.30	.53	1.88
IN.	.94	2.03	1.25	1.06	1.52	2.74	3.77	3.03	.73	.34	.61	2.09

CAL YR 1970 TOTAL 16,516.0 MEAN 45.2 MAX [illegible] MIN 6.1 CFSM 1.55 IN 21.11
WTR YR 1971 TOTAL 15,296.7 MEAN 41.9 MAX 191 MIN 2.7 CFSM 1.44 IN 19.02

01199200 Guinea Brook at Ellsworth, Conn.

LOCATION.--Lat 41°49'27", long 73°25'50", Litchfield County, on left bank just upstream from culvert on West Woods Road, 0.4 mile southwest of Ellsworth, 3 miles west of Cornwall Bridge, and 4.5 miles southeast of Sharon.

DRAINAGE AREA.--3.48 sq mi.

PERIOD OF RECORD.--July 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,141.60 ft above mean sea level.

AVERAGE DISCHARGE.--11 years, 5.46 cfs (21.30 inches per year).

EXTREMES.--Current year: Maximum discharge, 67 cfs Sept. 14 (gage height, 2.74 ft); minimum 0.03 cfs Aug. 26-27.

Period of record: Maximum discharge, 142 cfs Feb. 26, 1961, (gage height, 3.89 ft); no flow many days in 1962, 1964-68, 1970.

PEAK DISCHARGE.--(Base, 50 cfs):

DATE	TIME	G.HT	DISCHARGE
9-14	1000	2.74	67

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.19	1.2	8.9	2.5	2.7	25	14	7.0	7.2	.53	.74	.22
2	.18	3.0	7.9	2.7	2.7	22	18	6.3	3.7	.51	3.1	.21
3	.20	4.1	7.3	2.6	2.7	18	33	12	4.5	.35	2.1	.18
4	.25	2.9	15	3.1	2.7	14	26	19	3.5	.29	7.3	.16
5	.20	5.3	11	5.9	2.7	14	21	11	2.6	.25	2.8	.12
6	.21	2.9	8.8	9.1	2.9	13	18	9.2	2.0	.46	1.7	.12
7	.21	2.0	7.9	7.0	3.2	15	19	8.3	1.3	.39	.47	.12
8	.22	1.7	6.2	4.9	3.2	17	20	9.8	1.1	.28	.20	.11
9	.22	2.1	6.6	4.3	3.7	11	19	15	1.1	1.4	.16	.11
10	.23	1.5	7.7	4.1	3.7	9.6	27	15	1.2	1.3	.11	.09
11	.22	4.8	8.5	4.0	3.0	9.4	21	10	2.0	.66	.09	.09
12	.22	4.2	7.7	3.5	2.8	8.6	20	9.0	1.2	.75	1.1	1.1
13	.22	5.0	7.8	2.7	8.2	8.4	19	24	.85	1.0	.21	4.9
14	.23	11	7.8	2.8	15	8.3	17	22	1.8	1.3	.11	36
15	.30	14	7.5	2.9	21	12	14	14	1.1	.47	.09	15
16	.60	14	6.9	2.6	15	20	13	16	.85	.43	.07	4.8
17	.40	9.5	6.7	2.6	9.5	25	12	15	.87	.34	.05	4.4
18	.35	8.1	5.8	2.6	6.7	29	11	12	.69	.24	.05	6.8
19	.33	8.5	4.4	2.7	7.2	17	9.6	10	.45	.31	.05	5.9
20	.32	9.6	4.9	2.7	9.3	17	8.8	9.2	.71	.44	.20	4.4
21	.40	18	4.5	2.7	12	16	8.3	9.1	.93	.30	.13	8.6
22	.50	11	3.9	2.7	11	14	7.5	9.3	.69	.21	.09	7.6
23	1.0	15	3.8	2.7	8.5	12	6.5	7.2	.31	.22	.06	4.9
24	.90	12	3.8	2.7	8.9	12	6.0	6.2	.30	.13	.06	3.8
25	.80	9.4	3.8	3.1	7.6	11	8.9	6.4	.29	.14	.05	2.8
26	.75	8.8	3.6	3.5	7.7	10	9.5	10	.30	.16	.03	2.1
27	.72	9.0	3.0	3.2	19	9.8	7.8	6.0	.34	5.7	.20	2.2
28	.70	8.8	2.9	2.8	26	11	7.1	4.6	.24	.69	21	2.8
29	.90	9.6	2.5	2.9	------	13	13	3.8	.19	.15	12	2.2
30	2.0	11	2.2	2.7	------	14	9.1	3.5	.18	.93	3.4	3.5
31	1.5	------	2.2	2.7	------	13	------	7.7	------	.88	.38	------
TOTAL	15.47	228.0	191.5	107.0	228.6	449.1	444.1	326.4	42.49	21.21	58.07	125.33
MEAN	.50	7.60	6.18	3.45	8.16	14.5	14.8	10.5	1.42	.68	1.87	4.18
MAX	2.0	18	15	9.1	26	29	33	24	7.2	5.7	21	36
MIN	.18	1.2	2.2	2.5	2.7	8.3	6.0	3.5	.18	.13	.03	.09
CFSM	.14	2.18	1.78	.99	2.34	4.17	4.25	3.02	.41	.20	.54	1.20
IN.	.17	2.44	2.05	1.14	2.44	4.80	4.75	3.49	.45	.23	.62	1.34

CAL YR 1970 TOTAL 2,139.13 MEAN 5.86 MAX 76 MIN 0 CFSM 1.68 IN 22.86
WTR YR 1971 TOTAL 2,237.27 MEAN 6.13 MAX 36 MIN .03 CFSM 1.76 IN 23.92

01200000 Tenmile River near Gaylordsville, Conn.

LOCATION.--Lat 41°39'32", long 73°31'44", Litchfield County, on right bank 0.1 mile downstream from Deuel Hollow Brook, 1.2 miles upstream from New York-Connecticut State line, 1.7 miles upstream from mouth, and 2.5 miles northwest of Gaylordsville.

DRAINAGE AREA.--203 sq mi.

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for period October to December 1929, published in WSP 1301.

GAGE.--Water-stage recorder. Datum of gage is 304.4 ft above mean sea level (levels by Connecticut Light and Power Co.).

AVERAGE DISCHARGE.--42 years, 286 cfs (19.13 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,630 cfs Sept. 14 (gage height, 4.76 ft). minimum 26 cfs Aug. 26.

Period of record: Maximum discharge, 17,400 cfs Aug. 19, 1955 (gage height, 14.9 ft from high-water mark), from rating curve extended above 9,800 cfs; minimum, 5 cfs Sept. 8, 1957; minimum gage height, 0.52 ft Sept. 24, 26, 1939; minimum daily discharge, 7 cfs Oct. 7, 1957.

PEAK DISCHARGE.--(Base, 1,400 cfs):

DATE	TIME	G.HT	DISCHARGE
2-28	2230	4.51	1,450
9-14	0500	4.76	1,630

REMARKS.--Records good. Infrequent regulation at low flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	56	169	120	150	1,380	450	344	304	60	80	134
2	46	56	159	130	130	1,290	455	315	246	86	117	101
3	49	55	151	130	120	1,050	567	314	251	76	128	86
4	64	56	217	130	120	885	581	523	233	66	211	75
5	65	77	233	270	130	747	535	509	205	50	150	70
6	56	113	194	326	150	731	510	430	185	54	99	66
7	52	98	171	280	160	841	591	393	168	51	77	63
8	47	87	147	250	170	1,060	710	381	157	49	65	60
9	45	78	157	220	230	921	670	482	156	47	55	58
10	43	75	158	200	190	712	918	575	142	45	49	57
11	41	86	161	190	170	679	749	510	127	43	49	56
12	41	95	159	190	150	625	700	450	119	44	58	104
13	41	100	165	190	270	608	660	650	115	42	50	226
14	40	165	168	170	800	585	620	960	111	42	46	1,400
15	47	211	157	180	500	635	560	600	102	40	43	1,050
16	74	277	136	160	350	376	510	600	96	41	41	689
17	92	219	157	150	320	1,110	470	600	90	41	39	529
18	85	185	165	150	300	917	420	540	85	44	36	670
19	80	168	164	140	300	933	390	470	80	47	35	600
20	69	173	187	130	400	930	370	430	76	50	34	463
21	61	276	177	130	500	952	344	407	74	45	33	508
22	61	245	159	140	530	836	328	423	70	42	32	512
23	104	271	172	140	559	762	315	376	67	40	31	409
24	120	263	176	140	595	654	292	334	63	38	30	362
25	97	214	173	150	547	581	313	316	61	38	28	310
26	85	189	188	180	547	543	333	348	66	37	27	282
27	76	181	153	200	903	515	308	318	66	36	39	262
28	69	176	155	220	1,360	497	287	288	62	34	541	242
29	64	172	149	180	------	491	357	270	59	36	519	228
30	62	173	140	160	------	486	371	254	57	51	235	212
31	58	------	130	150	------	469	------	308	------	73	172	------
TOTAL	1,984	4,588	5,147	5,486	10,651	24,136	14,584	13,718	3,693	1,492	3,149	9,861
MEAN	64.0	153	166	177	380	779	486	443	123	48.1	102	329
MAX	120	277	233	326	1,360	1,380	918	960	304	86	541	1,400
MIN	40	55	130	120	120	469	287	254	57	34	27	56
CFSM	.32	.75	.82	.87	1.87	3.84	2.39	2.18	.61	.24	.50	1.62
IN.	.36	.84	.94	1.01	1.95	4.42	2.67	2.51	.68	.27	.58	1.81

CAL YR 1970 TOTAL 93,555 MEAN 256 MAX 1,550 MIN 25 CFSM 1.26 IN 17.14
WTR YR 1971 TOTAL 98,489 MEAN 270 MAX 1,400 MIN 27 CFSM 1.33 IN 18.05

01200500 Housatonic River at Gaylordsville, Conn.

LOCATION.--Lat 41°39'11", long 73°29'25", Litchfield County, on left bank 0.4 mile downstream from hydroelectric plant of Connecticut Light and Power Co., 0.5 mile upstream from bridge on U.S. Highway 7 at Gaylordsville, 1.5 miles downstream from Tenmile River, and at mile 50.6.

DRAINAGE AREA.--994 sq mi.

PERIOD OF RECORD.--October 1900 to December 1904 (fragmentary), January 1905 to December 1908 (gage heights only), January 1909 to December 1912 (fragmentary), January 1913 to October 1914 (gage heights only), November 1914 (fragmentary), July 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 236.78 ft above mean sea level. October 1900 to November 1914, chain gage on covered bridge 0.6 mile downstream at different datum.

AVERAGE DISCHARGE.--31 years, (1940-1971), 1569 cfs (21.50 inches per year).

EXTREMES.--Current year: Maximum discharge, 5,250 cfs Apr. 15 (gage height, 6.39 ft); minimum 58 cfs Aug. 16.
Period of record: Maximum discharge, 51,800 cfs Aug. 19, 1955 (gage height, 18.58 ft); minimum observed, about 30 cfs Oct. 28, 1914 (gage height, 2.18 ft site and datum then in use); minimum daily since July 1940, about 60 cfs Aug. 31, 1944, Sept. 20, 1949.
Flood in May 1854 reached a stage of 21 ft 3 in, former site and datum; reported by observer in 1902. Flood of Sept. 22, 1938 reached a stage of 14.5 ft from floodmarks, at present site (discharge, 37,000 cfs, by computation of peak flow over dam 2.5 miles upstream adjusted for flow from intervening area.

PEAK DISCHARGE.--(Base, 6,000 cfs): No peak above base.

REMARKS.--Records good. Ordinary flow regulated by power plant upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	472	475	1,040	716	1,150	4,210	2,160	2,970	1,600	457	625	1,310
2	511	542	1,030	740	1,110	4,180	2,390	2,760	1,430	430	765	877
3	299	470	943	750	949	3,720	3,420	2,690	1,440	570	816	651
4	414	506	1,110	861	808	3,190	4,510	3,500	1,280	711	914	662
5	476	592	1,220	1,020	598	2,600	4,650	3,940	1,300	574	1,080	579
6	507	609	1,190	1,210	565	2,570	4,380	3,800	1,150	508	772	460
7	485	909	1,070	1,280	685	2,850	4,290	3,450	1,090	414	663	563
8	368	666	896	1,100	640	3,220	4,450	3,010	965	453	508	496
9	393	748	873	1,000	735	2,560	4,200	3,170	980	367	474	532
10	368	551	893	970	823	2,400	4,560	3,880	1,070	378	421	472
11	224	672	974	950	830	2,320	4,470	3,750	1,190	360	416	409
12	362	652	834	930	693	2,050	4,380	3,380	1,010	373	481	480
13	374	765	849	800	825	2,050	4,530	3,540	845	356	383	734
14	349	938	979	700	1,330	1,960	4,930	4,730	824	362	501	3,100
15	298	1,150	870	670	1,640	2,130	5,190	4,410	798	334	414	3,110
16	476	1,250	844	670	1,670	3,210	5,000	4,030	657	326	397	2,380
17	829	1,440	737	670	1,540	4,000	4,470	3,860	659	410	342	1,860
18	697	1,240	877	670	1,420	3,730	3,830	3,340	611	386	527	1,980
19	691	1,040	939	670	1,380	3,370	3,390	2,950	625	512	289	1,830
20	469	990	999	670	1,450	3,410	3,270	2,620	459	432	241	1,580
21	431	1,250	1,030	700	1,940	3,180	3,380	2,290	562	445	247	1,610
22	567	1,390	908	736	1,950	2,970	3,460	2,260	625	431	480	1,880
23	559	1,420	904	748	2,150	2,700	3,410	2,260	467	405	145	1,670
24	812	1,500	887	785	2,090	2,500	3,150	2,050	375	349	311	1,470
25	785	1,410	951	720	1,930	2,270	2,910	1,900	618	301	248	1,290
26	803	1,280	984	734	1,880	2,100	2,880	1,940	407	301	252	1,130
27	663	1,020	830	1,250	2,670	2,060	2,770	1,720	517	317	530	1,090
28	645	1,000	840	1,560	3,930	1,970	2,610	1,630	422	309	1,420	1,020
29	646	1,010	800	1,290	------	2,110	2,750	1,630	558	327	2,460	1,000
30	484	1,080	700	751	------	2,220	3,050	1,580	507	393	2,120	936
31	648	------	760	877	------	2,280	------	1,610	------	444	1,930	------
TOTAL	16,105	28,565	28,761	27,198	39,381	86,090	112,840	90,650	25,041	12,735	21,172	37,161
MEAN	520	952	928	877	1,406	2,777	3,761	2,924	835	411	683	1,239
MAX	829	1,500	1,220	1,560	3,930	4,210	5,190	4,730	1,600	711	2,460	3,110
MIN	224	470	700	670	565	1,960	2,160	1,580	375	301	145	409
CFSM	.52	.96	.93	.88	1.41	2.79	3.78	2.94	.84	.41	.69	1.25
IN.	.60	1.07	1.08	1.02	1.47	3.22	4.22	3.39	.94	.48	.79	1.39

CAL YR 1970 TOTAL 567,762 MEAN 1,556 MAX 11,000 MIN 172 CFSM 1.57 IN 21.25
WTR YR 1971 TOTAL 525,699 MEAN 1,440 MAX 5,190 MIN 145 CFSM 1.45 IN 19.67

01201190 West Aspetuck River near New Milford, Conn.

LOCATION.--Lat 41°36'28", long 73°25'30", Litchfield County, at downstream side of bridge on Sand Road, off Long Mountain Road, 1000 ft west of State Highway 129, 1 mile northwest of Wellsville, and 2 miles north of New Milford.

DRAINAGE AREA.--23.3 sq mi.

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Non-recording gage, read twice daily. Prior to Feb. 10, 1965, non-recording gage with crest-stage indicator. Datum of gage is 242.57 ft above mean sea level.

AVERAGE DISCHARGE.--9 years, 32.1 cfs (18.71 inches per year).

EXTREMES.--Current year. Maximum discharge, 243 cfs Feb. 28 (gage height, 2.83 ft); minimum 1.3 cfs Aug. 26 (gage height 0.78 ft).

Period of record: Maximum discharge, 1,090 cfs Aug. 5, 1969 (gage height, 4.88 ft); minimum 0.7 cfs Sept. 25, 1964, many days in 1966; minimum gage height, 0.52 ft Sept. 25, 1964.

PEAK DISCHARGE.--(base, 150 cfs):

DATE	TIME	G.HT	DISCHARGE
2-14	2000	2.43	163
2-28	0400	2.83	243
3-20	1130	2.43	163
5-14	0330	2.51	167

REMARKS.--Records good, except for winter period, which is poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	7.3	21	18	24	197	53	57	35	4.0	34	7.0
2	5.7	7.3	20	18	23	177	51	61	27	11	23	5.8
3	7.0	7.3	19	18	22	150	61	69	23	7.0	31	5.3
4	24	10	30	40	21	125	61	72	20	5.8	44	5.1
5	15	18	34	50	21	100	56	81	21	5.1	28	4.4
6	11	17	24	41	20	83	51	74	18	4.4	12	3.6
7	7.7	13	25	37	31	125	61	66	15	4.0	7.0	3.8
8	6.2	10	43	31	50	120	69	72	15	3.8	5.3	3.6
9	5.7	8.9	20	28	76	103	61	83	20	2.9	4.4	3.6
10	5.2	8.1	20	26	60	91	58	72	19	2.2	4.0	3.2
11	4.7	14	20	24	50	88	61	57	16	2.0	5.1	3.8
12	5.0	18	30	23	45	74	58	52	14	1.7	5.1	20
13	5.0	24	24	21	78	77	56	80	11	1.5	4.4	29
14	5.2	44	21	20	111	80	52	143	9.6	2.2	3.6	125
15	7.0	58	24	19	141	76	51	101	8.8	2.2	3.2	129
16	77	45	44	18	80	125	54	104	8.2	2.0	2.9	80
17	69	37	41	18	56	109	60	64	7.9	2.7	2.5	29
18	44	24	24	17	50	91	52	50	6.7	2.9	2.5	28
19	24	23	31	16	42	83	48	44	5.3	3.6	2.2	29
20	11	21	30	16	35	153	45	41	5.8	4.4	2.2	25
21	10	57	42	16	42	151	41	38	5.8	3.2	2.0	29
22	8.9	40	38	16	54	125	41	37	5.5	2.7	1.7	26
23	31	33	31	16	75	115	41	35	5.1	2.2	1.7	23
24	24	31	27	16	100	100	41	31	4.4	2.2	1.5	21
25	15	28	25	16	137	86	58	25	4.0	2.1	1.4	20
26	11	24	23	25	173	70	54	37	4.4	2.0	1.3	16
27	9.2	21	22	42	205	72	49	34	4.4	2.5	2.7	13
28	8.5	20	21	34	231	74	49	31	4.0	2.0	54	13
29	7.7	19	20	30	------	69	56	28	3.6	2.2	34	12
30	7.7	22	19	27	------	65	61	35	3.2	19	14	12
31	7.0	------	19	25	------	58	------	48	------	25	8.8	------
TOTAL	486.0	709.9	832	762	2,053	3,212	1,610	1,822	350.7	140.5	349.5	728.2
MEAN	15.7	23.7	26.8	24.6	73.3	104	53.7	58.8	11.7	4.53	11.3	24.3
MAX	77	58	44	50	231	197	69	143	35	25	54	129
MIN	4.7	7.3	19	16	20	58	41	25	3.2	1.5	1.3	3.2
CFSM	.67	1.02	1.15	1.06	3.15	4.46	2.30	2.52	.50	.19	.49	1.04
IN.	.78	1.13	1.33	1.22	3.28	5.13	2.57	2.91	.56	.22	.56	1.16

CAL YR 1970 TOTAL 12,958.0 MEAN 35.5 MAX 460 MIN 1.8 CFSM 1.52 IN 20.69
WTR YR 1971 TOTAL 13,055.8 MEAN 35.8 MAX 231 MIN 1.3 CFSM 1.54 IN 20.84

01201510 Still River at Lanesville, Conn.

LOCATION.--Lat 41°32'12", long 73°25'04", Litchfield County, on left bank at Lanesville, 0.9 mile upstream from mouth, and 2.5 miles south of New Milford.

DRAINAGE AREA.--69.8 sq mi.

PERIOD OF RECORD.--October 1966 to September 1971 (discontinued as a continuous-record station).

GAGE.--Water-stage recorder. Datum of gage is 213.19 ft above mean sea level. Prior to Oct. 1, 1966 water-stage recorder at site 2.1 miles upstream at datum 0.14 ft lower.

AVERAGE DISCHARGE.--40 years, 116 cfs (22.57 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,200 cfs Sept. 15 (gage height, 4.78 ft); minimum 11 cfs Sept. 11.

Period of record: Maximum discharge, 7,890 cfs Oct. 16, 1955 (gage height, 14.11 ft from floodmarks (site and datum then in use), and from rating curve extended 3,000 cfs; minimum, 5 cfs Oct. 20, 194[illegible]; minimum daily, 8 cfs Sept. 17, 1948; minimum gage height, 0.77 ft August 10, 1939 (site and datum then in use.

PEAK DISCHARGE.--(Base, 600 cfs):

DATE	TIME	G.HT	DISCHARGE
3-08	1730	3.29	647
8-29	1630	3.44	692
9-15	0230	4.78	1,200

REMARKS.--Records good. Some diurnal fluctuation at low flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	23	56	42	43	515	118	92	69	24	102	88
2	19	21	52	44	42	406	116	72	53	88	105	66
3	20	23	51	50	37	320	157	88	113	49	74	54
4	56	24	67	52	36	291	148	173	113	30	60	44
5	36	107	72	148	38	283	115	131	66	22	52	38
6	26	111	54	213	58	286	107	89	48	20	46	33
7	22	58	48	135	80	358	218	77	44	20	39	33
8	20	41	43	90	66	596	372	87	44	19	35	33
9	19	34	44	81	186	464	244	219	63	20	32	30
10	18	37	48	74	169	307	179	149	43	20	33	27
11	16	53	51	69	109	279	151	104	37	20	36	26
12	15	54	51	69	91	261	132	83	37	18	197	170
13	17	63	52	58	114	255	124	159	40	19	105	548
14	18	184	53	61	426	249	119	341	38	23	52	1,010
15	53	150	54	55	375	253	117	192	34	27	38	1,110
16	139	150	49	53	208	316	106	156	38	20	32	683
17	67	96	53	40	154	328	108	223	33	28	30	395
18	40	72	101	44	134	265	94	146	30	34	28	265
19	29	64	88	46	185	233	87	110	28	25	26	218
20	25	76	87	44	194	403	83	96	25	69	24	174
21	26	170	85	45	196	497	82	87	24	56	24	205
22	30	139	71	47	234	347	79	85	25	31	21	222
23	83	93	62	52	330	265	74	73	23	25	19	154
24	73	79	65	53	401	225	72	62	22	23	19	122
25	46	67	60	52	316	193	96	61	22	23	18	100
26	33	59	60	66	294	175	82	89	28	24	18	88
27	32	53	49	127	376	165	82	75	25	30	33	86
28	29	55	50	71	564	154	76	61	20	34	372	85
29	28	52	48	84	------	148	98	53	21	34	680	82
30	26	55	46	67	------	139	95	56	21	169	485	78
31	26	------	43	59	------	123	------	78	------	176	156	------
TOTAL	1,107	2,261	1,813	2,191	5,456	9,095	3,731	3,565	1,227	1,220	2,991	6,267
MEAN	35.7	75.4	58.5	70.7	195	293	124	115	40.9	39.4	96.5	209
MAX	139	184	101	213	564	596	372	341	113	176	680	1,110
MIN	15	21	43	40	36	123	72	53	20	18	18	26
CFSM	.51	1.08	.84	1.01	2.79	4.20	1.78	1.65	.59	.56	1.38	2.99
IN.	.59	1.21	.97	1.17	2.91	4.85	1.99	1.90	.65	.65	1.59	3.34

CAL YR 1970 TOTAL 38,684 MEAN 106 MAX 1,430 MIN 15 CFSM 1.52 IN 20.62
WTR YR 1971 TOTAL 40,924 MEAN 112 MAX 1,110 MIN 15 CFSM 1.60 IN 21.81

01201930 Marshepaug River near Milton, Conn.

LOCATION.--Lat 41°47'22", long 73°15'34", Litchfield County, on left bank downstream from bridge on Maple Street, 1.5 miles northeast of Milton.

DRAINAGE AREA .--9.40 sq mi.

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,083 ft above mean sea level.

EXTREMES.--Current year: Maximum discharge, 105 cfs Apr. 7 (gage height, 2.15 ft); minimum about 0.5 cfs July 21 (gage height, 0.48 ft).

Period of record: Maximum discharge, 398 cfs Aug. 5, 1969 (gage height, 4.85 ft); minimum 0.5 cfs May 13, 1970, July 21, 1971.

REMARKS.--Records good. Flow regulated by a real estate lake upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	6.4	5.5	5.9	5.9	35	30	26	13	5.9	1.2	.84
2	4.8	6.3	4.9	5.9	5.8	51	38	24	11	5.7	1.1	.81
3	6.0	7.1	4.4	5.8	5.9	52	77	29	13	5.5	1.0	.79
4	5.9	7.5	4.4	6.1	5.6	63	97	30	12	5.4	2.2	.77
5	5.1	9.8	4.5	8.5	5.8	48	91	39	11	5.6	1.5	.75
6	5.2	7.7	4.4	7.1	5.9	38	79	33	8.9	4.0	1.2	.73
7	4.9	7.1	4.4	6.6	5.9	44	97	29	8.0	.79	1.0	.71
8	4.9	6.6	4.4	6.4	6.0	48	72	29	7.7	.73	.90	.70
9	4.5	6.1	4.6	6.2	6.1	42	58	33	8.7	.71	.80	.79
10	4.5	6.1	4.7	6.2	6.1	37	63	38	6.5	.71	.72	.70
11	5.4	5.9	4.6	6.2	5.9	35	64	36	5.6	.68	.68	.70
12	7.0	5.6	4.8	6.2	5.9	31	66	32	5.3	.80	1.1	10
13	6.8	7.2	4.9	6.2	7.2	28	68	59	5.4	.61	.82	50
14	6.6	9.0	5.0	6.2	9.2	26	71	61	5.4	.70	.79	90
15	9.7	9.7	4.9	6.2	7.2	29	64	55	5.2	.68	.80	60
16	13	7.7	4.9	5.9	6.8	46	55	47	5.3	.77	.79	20
17	9.9	6.4	5.2	6.4	6.6	47	45	42	5.3	.98	.81	14
18	10	6.1	5.2	6.4	6.7	46	40	36	5.3	.74	.83	11
19	9.6	6.4	5.3	6.2	6.8	46	35	30	5.4	1.0	.84	9.0
20	10	6.9	5.6	6.0	7.4	40	31	25	5.4	.78	.88	8.0
21	9.9	11	5.4	5.9	7.9	42	29	20	5.4	.70	.86	15
22	12	8.0	5.6	5.8	7.5	35	26	20	5.7	.69	.86	19
23	16	9.1	5.7	5.8	7.7	30	24	16	5.6	.61	.83	17
24	11	8.0	5.7	5.8	7.4	27	22	13	5.4	.62	.85	14
25	8.3	7.0	5.9	5.8	7.0	24	25	13	5.5	.71	.78	11
26	7.1	6.0	5.9	6.5	6.9	22	23	14	5.6	.74	.90	9.8
27	7.3	5.5	6.2	6.7	12	21	27	12	5.6	.71	2.0	9.0
28	6.5	5.0	6.1	6.2	16	21	22	11	5.6	.66	6.5	8.9
29	7.5	4.7	5.9	5.8	------	22	28	9.3	5.6	1.2	1.5	9.0
30	6.5	7.0	5.9	5.9	------	25	27	11	5.5	1.8	1.1	8.8
31	6.0	------	5.9	5.9	------	28	------	14	------	1.4	.90	------
TOTAL	237.1	212.9	160.8	192.2	201.1	1,138	1,489	879.3	208.9	52.62	36.94	401.79
MEAN	7.65	7.10	5.19	6.20	7.18	36.7	49.6	28.4	6.96	1.70	1.19	13.4
MAX	16	11	6.2	8.5	16	63	97	61	13	5.9	6.5	90
MIN	4.5	4.7	4.4	5.8	5.6	21	22	9.3	5.2	.61	.68	.70

CAL YR 1970 TOTAL 2,760.19 MEAN 7.56 MAX 39 MIN .50
WTR YR 1971 TOTAL 5,210.56 MEAN 14.3 MAX 97 MIN .61

01203000 Shepaug River near Roxbury, Conn.

LOCATION.--Lat 41°32'59", long 73°19'49", Litchfield County, on right bank at downstream side of Wallers Bridge Road, half a mile south of Roxbury Station, 1.2 miles southwest of village of Roxbury, and 2.4 miles upstream from Jacks Brook.

DRAINAGE AREA.--133 sq mi.

PERIOD OF RECORD.--October 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 281.98 ft above mean sea level, (levels by Corps of Engineers).

AVERAGE DISCHARGE(adjusted for storage and diversion).--41 years, 236 cfs (24.10 inches per year).

EXTREMES.--Current year: Maximum discharge, about 1,800 cfs Sept. 14; minimum 12, cfs Aug. 25, 26.

Period of record: Maximum discharge, 50,300 cfs Aug. 19, 1955 (gage height, 17.2 ft from floodmarks), from rating curve extended above 3,500 cfs on basis of computation of flow over dam at gage heights, 10.77 and 12.8 ft and slope-area measurementof peak flow; minimum, 2 cfs Oct. 6, 1951; minimum gage height, 0.89 ft Sept. 12, 1965.

PEAK DISCHARGE.--(Base, 1,500 cfs):

DATE	TIME	G.HT	DISCHARGE
9-14	Unkn	Unkn	1,800

REMARKS.--Records good. Water diverted from Shepaug Reservoir for municipal supply of city of Waterbury. Flow regulated by Cairns Reservoir (formerly published as Upper Shepaug Reservoir) and Shepaug Reservoir (see p. 116).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	52	97	86	100	633	422	291	211	22	45	60
2	15	47	91	90	80	588	470	258	146	77	39	54
3	15	47	89	90	76	514	768	315	165	39	31	49
4	41	50	140	95	74	482	759	438	147	29	98	45
5	29	84	140	364	80	451	663	384	123	25	62	40
6	22	71	126	329	95	411	587	325	103	23	42	37
7	42	59	111	200	100	562	703	289	90	22	34	34
8	59	54	116	170	110	566	714	301	78	20	32	31
9	53	51	99	140	150	449	663	382	99	19	30	29
10	52	51	97	130	130	408	748	394	83	18	21	27
11	49	58	111	125	115	394	670	365	67	17	27	26
12	43	56	97	120	100	374	640	328	61	17	100	400
13	43	73	106	118	180	365	621	540	58	15	45	380
14	40	140	100	110	500	362	603	726	54	16	35	1,000
15	54	134	90	118	350	438	541	495	49	16	30	500
16	129	127	80	110	250	739	479	483	47	15	25	300
17	72	115	120	100	200	740	441	496	43	15	20	200
18	53	79	132	95	170	583	399	415	38	17	18	170
19	49	94	121	90	200	551	369	371	35	17	17	150
20	45	93	121	85	250	743	358	339	33	22	17	140
21	45	171	117	85	350	632	340	316	31	15	17	250
22	46	131	102	90	330	549	321	296	31	13	17	210
23	100	157	110	90	500	505	297	262	31	13	15	180
24	86	143	110	90	450	457	276	231	27	13	13	160
25	73	121	110	95	400	405	298	215	24	14	12	150
26	68	99	100	110	450	391	301	230	24	15	12	140
27	65	103	100	170	849	379	281	207	25	14	100	130
28	62	100	110	180	706	381	265	188	23	13	700	125
29	58	97	100	110	------	409	348	170	21	17	200	122
30	56	110	85	100	------	434	332	173	21	68	100	120
31	53	------	82	95	------	430	------	203	------	52	70	------
TOTAL	1,632	2,767	3,310	3,980	7,345	15,325	14,677	10,426	1,988	708	2,024	5,259
MEAN	52.6	92.2	107	128	262	494	489	336	66.3	22.8	65.3	175
MAX	129	171	140	364	849	743	768	726	211	77	700	1,000
MIN	15	47	80	85	74	362	265	170	21	13	12	26
(†)	+15.1	+51.6	+67.5	-8.3	+54.5	+34.4	+12.1	+13.6	+16.7	+7.8	+29.1	+41.8
MEAN‡	67.7	130	174	120	316	528	501	350	83.0	30.6	94.4	217
CFSM‡	0.51	0.98	1.31	0.90	2.38	3.97	3.77	2.63	0.62	0.23	0.71	1.63
IN‡	0.59	1.09	1.51	1.04	2.48	4.58	4.21	3.03	0.69	0.26	0.82	1.82

CAL YR 1970 TOTAL 63,172 MEAN 173 MAX 2,090 MIN 11 MEAN‡ 191 CFSM‡ 1.44 IN‡ 19.51
WTR YR 1971 TOTAL 69,441 MEAN 190 MAX 1,000 MIN 12 MEAN‡ 217 CFSM‡ 1.63 IN‡ 22.12

†Change in contents in Cairns Reservoir, and diversion from and change in contents in Shepaug Reservoir, equipalent in cubic feet per second.

‡Adjusted for diversion and change in contents.

01203510 Pootatuck River at Sandy Hook, Conn.

LOCATION.--Lat 41°25'13", long 73°16'58", Fairfield County, at bridge on Main Street (US Highway 6B) at Sandy Hook.

DRAINAGE AREA.--24.2 sq mi.

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Non-recording gage and crest-stage gage. Datum of gage is 222.67 ft above mean sea level.

AVERAGE DISCHARGE.--6 years, 40.7 cfs (22.78 inches per year).

EXTREMES.--Current year: Maximum discharge 1,120 cfs Sept 14 (gage height, 6.57 ft); minimum observed 4.7 cfs July 18.

Period of record: Maximum discharge 1,890 cfs Apr. 2, 1970 (gage height, 7.90 ft); minimum observed 1.32 cfs Aug. 14, 15, Sept. 11-13, 1966 (gage height, 2.35 ft).

PEAK DISCHARGE.--(base, 425 cfs):

DATE	TIME	G.HT	DISCHARGE
8-28	1530	6.30	956
9-14	0730	6.57	1,120

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	8.2	16	17	22	129	41	33	26	5.3	48	32
2	8.0	8.2	15	16	21	115	41	41	20	33	46	25
3	7.8	8.2	15	16	20	96	61	56	30	11	27	21
4	9.3	8.2	24	15	19	100	50	73	30	9.0	24	19
5	8.9	41	16	44	18	108	41	46	20	8.0	21	18
6	8.9	20	15	37	23	93	33	33	16	7.2	16	17
7	7.2	15	14	34	28	115	145	26	14	5.3	16	16
8	7.2	13	14	30	34	155	73	56	14	5.3	15	15
9	6.2	11	14	25	56	115	61	50	13	5.3	14	14
10	6.2	14	15	23	46	94	61	46	12	5.2	9.6	13
11	6.4	14	14	23	41	86	59	41	12	5.2	9.6	14
12	6.6	14	18	20	30	93	56	41	8.2	5.2	30	372
13	6.6	67	18	19	37	80	41	145	10	5.2	14	250
14	5.9	56	18	18	44	90	37	80	11	5.1	12	731
15	48	42	18	18	56	95	37	50	11	5.0	10	265
16	23	37	18	17	50	100	37	56	11	4.9	8.5	149
17	14	26	23	17	41	86	35	61	8.2	4.8	7.4	112
18	11	20	37	16	46	61	34	46	8.2	4.7	7.4	104
19	9.3	26	30	16	67	115	33	41	8.2	8.0	7.4	95
20	8.2	27	30	16	67	212	32	35	8.2	16	7.4	90
21	8.2	67	30	15	63	140	31	33	8.2	11	7.4	131
22	11	47	26	15	61	80	30	37	8.2	9.5	7.0	77
23	18	35	25	15	143	73	30	33	7.8	8.9	6.4	65
24	18	26	25	15	123	67	29	26	7.8	8.0	6.4	53
25	16	20	24	15	100	59	28	26	7.8	7.8	6.4	50
26	14	20	23	20	123	56	27	30	7.6	14	6.4	47
27	12	20	21	41	313	52	26	23	7.6	12	69	44
28	9.3	20	20	33	178	51	33	20	7.6	10	368	48
29	8.2	28	19	27	-------	50	41	20	7.2	8.2	154	44
30	8.2	23	18	25	-------	46	36	24	6.8	109	48	39
31	8.2	-------	18	23	-------	46	-------	33	-------	59	35	-------
TOTAL	348.0	781.8	631	681	1,870	2,858	1,319	1,361	367.6	416.1	1,064.3	2,970
MEAN	11.2	26.1	20.4	22.0	66.8	92.2	44.0	43.9	12.3	13.4	34.3	99.0
MAX	48	67	37	44	313	212	145	145	30	109	368	731
MIN	5.9	8.2	14	15	18	46	26	20	6.8	4.7	6.4	13
CFSM	.46	1.08	.84	.91	2.76	3.81	1.82	1.81	.51	.55	1.42	4.09
IN.	.53	1.20	.97	1.05	2.87	4.39	2.03	2.09	.57	.64	1.64	4.57

CAL YR 1970 TOTAL 15,788.6 MEAN 43.3 MAX 754 MIN 3.5 CFSM 1.79 IN 24.27
WTR YR 1971 TOTAL 14,667.8 MEAN 40.2 MAX 731 MIN 4.7 CFSM 1.66 IN 22.55

01203600 Nonewaug River at Minortown, Conn.

LOCATION.--Lat 41°34'32", long 73°10'45", Litchfield County, on right bank 1,000 ft downstream from bridge by U.S. Highway 6 and 202 at Minortown, and 2.5 miles northeast of Woodbury.

DRAINAGE AREA.--17.2 sq mi.

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 354.69 ft above mean sea level.

AVERAGE DISCHARGE.--9 years, 22.4 cfs .

EXTREMES.--Current year: Maximum discharge, 715 cfs Feb. 14 (gage height, 3.39 ft); minimum 0.23 cfs Oct. 10 (gage height, 0.34 ft).

Period of record. Maximum discharge, 1,900 cfs Feb. 10, 1970 from rating curve extended above 300 cfs by logarithmic plotting; minimum 0.23 cfs Oct. 10, 1971; minimum gage height, 0.34 ft Oct. 10, 1971.

Flood of Aug. 19, 1955 reached a stage of 13.2 ft from floodmarks (discharge, about 8,200 cfs, estimated from a comparison of unit runoff of nearby streams).

PEAK DISCHARGE.--(Base, 500 cfs):

DATE	TIME	G.HT	DISCHARGE
2-14	0400	3.39	715

REMARKS.--Records good. Flow regulated by Lockwood Reservoir (see p. 116). Diversion for municipal supply of town of Watertown.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.0	13	11	13	141	37	22	15	11	9.0	9.0
2	1.1	1.0	12	12	11	100	39	20	11	9.0	8.6	7.1
3	1.5	.90	11	12	10	81	65	40	26	4.2	6.0	6.8
4	3.0	1.0	33	13	10	72	44	46	14	3.8	12	5.5
5	1.6	7.1	19	43	11	62	36	32	9.0	3.6	6.4	5.0
6	1.4	2.5	16	43	13	57	33	25	7.1	3.6	4.7	5.0
7	1.0	1.8	14	32	14	141	71	21	6.0	3.2	4.0	5.0
8	.90	1.5	13	24	15	97	68	44	5.8	3.0	3.4	4.7
9	1.0	1.3	12	20	19	68	71	53	8.6	3.0	3.0	4.4
10	.80	1.4	12	18	17	62	69	42	5.0	2.9	2.7	4.0
11	.80	2.1	12	17	15	60	51	31	4.2	2.7	9.0	4.0
12	.80	1.8	12	18	14	56	42	26	3.8	2.9	18	89
13	1.1	7.8	13	16	123	55	37	99	3.8	2.5	5.8	75
14	1.3	17	13	15	470	60	33	72	3.6	3.0	4.7	132
15	9.0	18	12	16	175	132	27	42	3.8	2.7	4.4	55
16	11	12	11	15	74	212	26	57	3.6	2.5	4.2	38
17	3.0	5.8	15	14	51	134	25	49	3.4	2.9	3.8	29
18	2.2	7.8	20	13	35	90	22	35	2.7	3.8	3.4	26
19	1.5	18	19	12	33	87	20	29	2.4	4.2	3.0	22
20	.83	22	19	11	46	145	19	26	2.2	4.4	3.0	19
21	.90	53	16	11	56	93	18	25	2.2	3.0	2.9	31
22	2.4	27	14	12	44	78	16	26	2.1	2.7	2.9	21
23	16	25	15	12	84	71	15	19	1.8	2.4	2.7	18
24	5.0	18	15	12	59	60	14	16	1.5	2.4	2.5	15
25	2.5	14	15	12	54	51	21	16	2.1	2.7	2.5	13
26	1.9	13	14	16	59	48	19	22	1.2	3.2	2.5	12
27	1.6	13	14	23	234	46	17	16	1.1	3.2	27	12
28	1.3	12	15	24	178	46	19	14	1.0	2.5	150	12
29	1.2	12	13	18	------	47	38	12	.90	7.8	31	12
30	1.1	15	12	13	------	46	26	18	1.6	19	18	11
31	1.1	------	11	13	------	41	------	19	------	12	12	------
TOTAL	80.70	326.80	453	599	1,939	2,939	1,038	1,014	156.90	139.8	373.1	702.5
MEAN	2.60	10.9	14.6	17.9	69.3	81.9	34.6	32.7	5.22	4.51	12.0	23.4
MAX	16	53	33	43	470	212	71	99	26	19	150	132
MIN	.80	.90	11	11	10	41	14	12	.90	2.4	2.5	4.0

CAL YR 1970 TOTAL 8,622.80 MEAN 23.6 MAX 392 MIN .80
WTR YR 1971 TOTAL 9,301.40 MEAN 25.5 MAX 470 MIN .80

01204000 Pomperaug River at Southbury, Conn.

LOCATION.--Lat 41°28'50", long 73°13'30", New Haven County, on right bank 200 ft upstream from highway bridge, 800 ft downstream from Bullet Hill Brook, 0.6 mile west of Southbury, and 5.8 miles upstream from mouth.

DRAINAGE AREA.--75.3 sq mi.

PERIOD OF RECORD.--June 1932 to current year.

GAGE.--Water-stage recorder. Datum of gage is 165.60 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE(adjusted for storage and diversion from October 1960 to September 1969).--39 years, 121 cfs.

EXTREMES.--Current year: Maximum discharge, 1,380 cfs Sept. 14 (gage height, 6.81 ft); minimum 9.4 cfs Aug 26 (gage height, 2.39 ft).

Period of record: Maximum discharge, 29,400 cfs Aug. 19, 1955 (gage height, 21.8 ft from floodmarks), from rating curve extended above 1,200 cfs by computation of flow over dam at gage height, 16.0 ft and by slope-area measurement of peak flow; minimum 3.3 cfs Aug. 27, 1949; minimum gage height, 2.31 ft August 10, 1967.

PEAK DISCHARGE.--(Base, 1,400 cfs): No peak above base.

REMARKS.--Records good. Flow regulated by Lockwood Reservoir (see p. 116) and occasionally at low flow, by mill upstream. Diversion for municipal supply of town of Watertown.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	23	52	48	55	579	158	100	91	31	55	50
2	15	21	49	50	45	496	151	86	69	67	48	45
3	26	20	48	49	42	380	201	98	130	35	36	40
4	43	20	82	53	41	324	197	180	94	28	46	37
5	28	50	71	181	44	278	159	169	72	24	40	33
6	22	40	61	179	53	236	139	127	62	21	30	31
7	20	33	51	115	57	335	187	105	57	19	26	28
8	18	31	44	94	59	503	289	105	55	16	23	25
9	17	27	50	79	82	338	253	187	59	15	20	24
10	18	26	52	75	74	260	270	182	49	15	17	22
11	17	29	52	70	62	241	238	147	43	16	22	22
12	15	29	52	66	56	220	201	110	40	14	86	344
13	13	42	56	67	88	217	178	277	40	12	36	320
14	14	121	54	61	310	209	167	344	38	16	27	846
15	48	103	50	66	214	238	146	201	34	14	24	371
16	77	96	44	60	136	445	123	226	34	13	20	223
17	44	64	63	57	114	505	116	233	31	14	17	170
18	35	53	88	54	95	393	107	174	29	18	15	150
19	30	54	71	50	111	312	99	148	27	25	14	121
20	26	67	77	46	137	405	92	132	26	25	14	103
21	24	166	68	47	196	424	87	122	24	18	14	154
22	25	89	58	50	184	326	82	132	22	15	14	111
23	64	84	63	52	279	278	76	108	20	14	12	91
24	55	73	62	51	261	250	72	93	19	13	11	81
25	41	61	63	51	220	221	84	86	18	15	10	71
26	34	55	59	65	225	197	88	110	21	15	10	68
27	30	55	57	97	477	187	82	90	19	15	86	65
28	26	53	62	100	630	184	75	79	16	13	564	62
29	26	52	54	62	------	185	108	72	15	19	164	62
30	25	55	48	56	------	184	118	87	14	93	88	58
31	24	------	46	52	------	172	------	112	------	68	62	------
TOTAL	916	1,692	1,807	2,203	4,347	9,522	4,343	4,422	1,268	736	1,651	3,828
MEAN	29.5	56.4	58.3	71.1	155	307	145	143	42.3	23.7	53.3	128
MAX	77	166	88	181	630	579	289	344	130	93	564	846
MIN	13	20	44	46	41	172	72	72	14	12	10	22
CFSM	.39	.75	.77	.94	2.06	4.08	1.93	1.90	.56	.31	.71	1.70
IN.	.45	.84	.89	1.09	2.15	4.70	2.15	2.18	.63	.36	.82	1.89

CAL YR 1970 TOTAL 39,207.8 MEAN 107 MAX 1,710 MIN 6.0 CFSM 1.42 IN 19.37
WTR YR 1971 TOTAL 36,735.0 MEAN 101 MAX 846 MIN 10 CFSM 1.34 IN 18.15

0120[illegible]300 Copper Mill Brook near Monroe, Conn.

LOCATION.--Lat 41°21'46", long 73°13'08", Fairfield County, on right bank just upstream from twin culverts on Hammertown Road, 700 ft upstream from mouth, 1.25 miles west of Connecticut Highway 111, 2.2 miles northwest of Monroe, and 2.2 miles east of Botsford.

DRAINAGE AREA.--2.50 sq mi.

PERIOD OF RECORD.--June 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 331.05 ft above mean sea level.

AVERAGE DISCHARGE.--13 years, 4.02 cfs (21.84 inches per year).

EXTREMES.--Current year: Maximum discharge, 312 cfs Sept. 13 (gage height, 6.27 ft); minimum 0.15 cfs July 13, Aug. 24-26 (gage height, 0.40 ft).

Period of record: Maximum discharge, 330 cfs Mar. 12, 1962 (gage height, 6.42 ft), from rating curve extended above 94 cfs by logarithmic plotting; minimum 0.04 cfs Sept. 9-11, 1964; minimum gage height, 0.33 ft Sept. 10, 11, 1964.

PEAK DISCHARGE.--(Base, 80 cfs):

DATE	TIME	G.HT	DISCHARGE
8-28	0500	3.24	93
9-13	2030	6.27	312

REMARKS.--Records good except for period Jan. 1 to Mar. 14 which is fair. Infrequent regulation at low flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	.49	1.2	1.3	1.5	19	4.2	3.1	2.7	1.0	3.7	1.3
2	.31	.49	1.2	1.3	1.2	15	4.3	2.9	2.0	2.4	2.9	1.0
3	.87	.48	1.1	1.4	1.1	12	7.7	5.7	4.0	.90	1.7	.87
4	3.2	.52	1.0	1.5	1.1	10	5.6	6.6	2.6	.53	1.3	.79
5	.77	5.2	1.3	5.0	1.3	9.0	4.6	3.8	1.9	.41	1.2	.86
6	.52	2.3	1.2	5.0	1.5	8.0	6.5	3.3	1.5	.36	.84	.92
7	.50	1.2	.87	3.0	1.6	12	14	2.8	1.3	.32	.67	.83
8	.47	.85	.69	2.5	1.7	16	13	7.0	1.2	.26	.70	.64
9	.38	.73	.94	2.2	2.8	11	9.3	9.0	1.2	.25	.48	.60
10	.35	.88	1.2	2.0	2.4	8.5	7.8	5.1	.93	.25	.43	.70
11	.35	1.3	1.0	1.9	2.0	7.7	6.2	3.8	.80	.27	1.6	1.9
12	.39	.90	1.1	1.8	1.9	7.4	9.6	3.2	.79	.30	3.3	93
13	.42	5.1	1.3	1.7	3.0	7.1	9.1	16	.82	.22	3.1	89
14	.39	7.8	1.2	1.7	10	7.0	6.6	12	.81	.20	.75	50
15	.73	4.4	1.2	1.8	7.0	9.0	4.3	5.7	.83	.26	.63	18
16	1.5	3.0	.95	1.7	4.9	11	4.1	12	.81	.35	.54	11
17	.69	1.9	2.6	1.6	3.6	8.9	4.0	9.1	.70	.53	.46	8.7
18	.51	1.5	3.6	1.5	3.2	8.3	3.7	5.6	.63	.54	.41	7.9
19	.43	3.4	2.1	1.4	3.7	11	3.4	4.6	.57	2.5	.38	5.9
20	.36	4.0	2.7	1.3	4.5	33	3.3	4.2	.57	.90	.35	5.5
21	.38	7.7	2.0	1.3	6.4	14	3.1	4.3	.58	.56	.29	8.2
22	.64	2.8	1.4	1.4	6.0	10	3.1	4.4	.56	.45	.28	5.8
23	2.6	2.6	1.5	1.4	9.0	8.7	2.8	3.4	.53	.43	.20	5.1
24	1.5	2.1	1.6	1.4	8.0	7.5	2.5	2.9	.52	.39	.17	4.4
25	.77	1.6	1.4	1.4	7.0	7.6	4.1	2.9	.50	.49	.16	3.8
26	.63	1.5	1.3	2.0	4.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.17	3.7
27	.60	1.6	1.1	2.7	17	6.3	2.8	2.6	.45	.45	11	3.8
28	.57	1.6	.95	2.7	20	3.9	3.4	2.8	.41	.76	41	3.8
29	.53	1.5	.85	1.8	------	4.0	5.5	2.5	.40	3.3	5.3	3.7
30	.51	1.5	1.3	1.5	------	4.5	3.9	3.6	.38	18	2.5	3.3
31	.51	------	1.3	1.4	------	4.5	------	4.0	------	5.1	1.7	------
TOTAL	22.70	70.94	43.95	60.6	141.0	308.4	153.9	162.6	31.47	41.13	86.39	352.97
MEAN	.73	2.36	1.42	1.95	5.04	5.95	5.13	5.25	1.05	1.33	2.79	11.8
MAX	3.2	7.8	3.6	5.0	20	33	16	16	4.0	18	41	93
MIN	.31	.48	.65	1.3	1.1	3.9	2.8	2.5	.38	.22	.16	.60
CFSM	.29	.94	.57	.78	2.02	3.98	2.05	2.10	.42	.53	1.12	4.72
IN.	.34	1.06	.65	.90	2.10	4.59	2.29	2.42	.47	.61	1.29	5.25

CAL YR 1970 TOTAL 1,491.09 MEAN 4.09 MAX 84 MIN .07 CFSM 1.64 IN 22.19
WTR YR 1971 TOTAL 1,476.05 MEAN 4.04 MAX 93 MIN .16 CFSM 1.62 IN 21.96

01205500 Housatonic River at Stevenson, Conn.

LOCATION.--Lat 41°23'02", long 73°10'09", New Haven County, on left bank 0.2 mile downstream from dam of Connecticut Light and Power Company at Stevenson, Fairfield County, 0.2 mile upstream from Eightmile Brook, and at mile 19.2

DRAINAGE AREA.--1,545 sq mi.

PERIOD OF RECORD.--August 1928 to current year.

GAGE.--Water-stage recorder. Datum of gage is 24.98 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE(adjusted for storage and diversion).--43 years, 2,477 cfs (21.77 inches per year)

EXTREMES.--Current year: Maximum discharge, 7,440 cfs May 14 (gage height, 8.42 ft); minimum 45 cfs Oct. 7, 8, 12 (gage height, 0.61 ft); minimum daily 52 cfs Oct. 11.

Period of record: Maximum discharge, 75,800 cfs Oct. 16, 1955 (gage height, 24.50 ft), from rating curve extended above 35,000 cfs on basis of computation of flow at Stevenson and Derby Dams and slope-area measurement at gage heights, 21.5 and 23.5 ft; practically no flow at times, result of regulation.

REMARKS.--Records excellent. Ordinary flow completely regulated by Stevenson Hydroelectric Plant. Flow regulated by Lake Candlewood, Lake Lillinonah, Lake Zoar, Upper Shepaug and Shepaug Reservoirs, (see p.116), and by diversion out of basin of Shepaug Reservoir, and Lake Candlewood. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	524	244	1,560	137	1,330	6,460	2,940	3,900	3,000	1,340	86	1,990
2	532	852	1,240	364	864	6,450	3,230	3,460	2,860	77	1,440	1,160
3	407	980	1,180	427	2,000	6,390	4,640	3,980	2,890	191	1,090	2,080
4	399	711	1,630	1,380	853	6,310	4,690	5,800	2,820	119	1,620	608
5	435	943	1,690	1,470	829	5,470	6,370	5,800	70	115	1,290	74
6	595	791	488	2,280	725	3,640	6,350	3,620	67	177	1,310	70
7	166	836	1,540	2,290	139	4,900	6,000	3,980	2,140	86	78	1,180
8	436	776	1,360	1,700	743	6,390	6,380	3,600	2,330	609	130	832
9	1,170	675	1,490	1,630	1,250	5,220	6,390	3,390	1,680	940	990	1,220
10	504	1,620	1,180	1,460	1,490	6,140	6,370	5,380	1,920	73	791	988
11	52	560	1,090	1,380	1,240	5,730	6,360	4,010	1,340	99	689	87
12	660	1,380	1,190	1,270	1,670	4,000	6,360	3,910	62	410	921	3,680
13	822	1,500	91	1,220	1,690	3,780	6,320	5,090	232	490	986	3,290
14	376	1,640	1,320	1,610	1,960	2,990	6,360	6,190	1,750	379	78	6,000
15	534	1,640	1,750	1,280	3,710	3,990	6,390	6,330	1,140	806	96	6,880
16	1,070	1,760	1,540	1,280	2,260	5,700	6,390	4,700	1,710	793	649	6,360
17	441	1,800	1,110	80	2,940	6,390	5,380	4,810	367	74	649	4,960
18	62	1,550	1,440	1,590	2,470	6,410	5,050	4,860	992	186	557	2,930
19	1,670	1,300	424	1,270	1,090	6,380	5,250	4,660	75	880	603	3,570
20	1,280	1,370	445	1,760	1,220	6,410	3,650	3,380	72	846	803	3,370
21	1,670	903	2,480	1,400	2,810	6,360	3,580	3,220	1,340	656	76	2,860
22	494	1,120	1,510	979	4,760	4,970	3,890	2,900	1,140	548	139	3,460
23	1,090	3,270	1,170	105	5,310	4,900	4,630	2,580	729	901	399	2,090
24	66	2,070	1,200	103	3,870	4,720	4,190	3,560	1,260	579	71	2,910
25	60	2,480	871	1,620	3,690	3,510	2,870	3,250	665	76	139	162
26	1,450	297	1,270	1,540	2,640	3,900	2,900	2,560	130	619	302	276
27	634	1,290	1,050	2,340	5,100	3,070	3,910	2,550	144	904	3,960	2,610
28	1,050	1,330	1,450	1,710	6,500	2,180	4,320	3,450	453	492	6,110	1,930
29	1,210	1,360	1,730	1,320	-------	3,500	5,430	1,770	528	138	2,730	2,390
30	613	1,990	1,580	113	-------	3,530	4,270	774	2,320	2,060	2,320	2,110
31	283	-------	888	109	-------	2,970	-------	1,360	-------	824	2,390	-------
TOTAL	20,667	38,236	39,117	36,907	65,133	152,360	150,260	118,806	36,226	16,483	33,372	73,987
MEAN	666	1,275	1,262	1,191	2,326	4,915	5,009	3,832	1,208	532	1,077	2,466
MAX	1,670	3,270	2,480	2,340	6,500	6,460	6,390	6,330	3,000	2,060	6,110	6,880
MIN	52	244	91	80	139	2,180	2,500	774	62	73	71	70
([illegible])	-10	+121	+40	-37	+117	+52	+68	+178	-46	+94	-4	+12
MEAN*	656	1,356	1,310	1,154	2,443	4,967	5,077	4,010	1,162	626	1,073	2,462
CFSM*	0.42	0.90	0.85	0.75	1.58	3.21	3.29	2.60	0.75	0.41	0.69	1.59
IN*	0.48	1.00	0.98	0.86	1.64	3.70	3.67	3.00	0.84	0.47	0.80	1.77

CAL YR 1970 TOTAL 798,005 MEAN 2,186 MAX 21,900 MIN 52 MEAN* 2,197 CFSM* 1.42 IN* 19.30
WTR YR 1971 TOTAL 781,052 MEAN 2,140 MAX 6,880 MIN 52 MEAN* 2,174 CFSM* 1.41 IN* 19.21

‡Change in contents in Candlewood, Lillinonah, and Zoar Lakes, Shepaug Reservoirs, and diversion out of basin at Lake Candlewood and Shepaug Reservoir, equivalent in cubic feet per second; furnished by Connecticut Light and Power Company, city of Waterbury, and city of Danbury.

*Adjusted for diversion and change in contents.

01205600 West Branch Naugatuck River at Torrington, Conn.

LOCATION.--Lat 41°48'03", long 73°07'26", Litchfield County, on right bank, just downstream from Prospect Street bridge in Torrington, half a mile upstream from confluence with East Branch, and 3 miles downstream from Stillwater Pond.

DRAINAGE AREA.--33.4 sq mi.

PERIOD OF RECORD.--August 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 543.54 ft above mean sea level. Prior to Nov. 9, 1959, nonrecording gage.

AVERAGE DISCHARGE.--15 years, 47.2 cfs.

EXTREMES.--Current year: Maximum discharge, 655 cfs Sept. 14 (gage height, 4.15 ft); minimum daily 1.3 cfs Oct. 6.

Period of record: Maximum discharge, 3,600 cfs Sept. 12, 1960 (gage height, 7.46 ft); minimum daily, 0.3 cfs Aug. 31, Sept. 1, 1968.

Maximum dischargeknown occurred on Aug. 19, 1955 (discharge, 11,900 cfs by computation of peak flow over dam 3 miles upstream; drainage area 24.2 sq mi).

REMARKS.--Records excellent. City of Torrington diverts an average of about 4,000,000 gal of water daily for municipal supply, from North Pond, Whist Pond, and Reuben Hart Reservoir. Occasional regulation at low flow by Stillwater Pond. High flow regulated by Hall Brook Detention Reservoir (see p.).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	12	43	22	22	159	111	152	72	7.5	34	13
2	8.7	12	27	22	23	133	165	135	66	6.6	19	12
3	16	12	26	22	18	109	373	135	63	7.2	34	12
4	19	16	77	23	19	100	262	136	40	8.0	72	12
5	13	20	63	54	18	87	209	123	28	8.4	32	12
6	9.6	19	49	58	19	76	157	110	23	8.0	16	12
7	8.9	15	41	51	20	89	169	97	21	7.7	12	12
8	7.2	16	31	46	21	106	170	98	21	7.0	11	12
9	6.6	13	28	37	26	81	151	116	26	6.1	9.8	11
10	6.1	16	28	31	25	67	212	116	19	6.1	9.8	11
11	6.3	16	28	27	23	64	206	111	17	5.1	13	11
12	12	16	28	25	21	59	236	111	17	4.7	12	60
13	10	36	27	23	35	56	263	173	19	4.0	9.4	98
14	7.7	65	27	25	136	54	266	143	17	4.7	9.1	339
15	17	84	27	22	89	66	223	126	13	4.1	9.4	188
16	29	79	29	32	63	192	196	130	13	3.5	8.9	89
17	19	65	33	22	49	186	166	122	12	4.7	8.4	50
18	10	30	32	22	41	122	145	30	12	4.4	7.8	55
19	11	30	30	23	39	102	129	22	11	7.3	6.5	43
20	9.0	53	34	18	50	100	137	30	11	11	6.6	28
21	9.4	99	34	18	64	94	137	62	11	8.9	6.1	67
22	20	61	31	20	66	81	126	75	9.6	6.3	6.1	51
23	64	60	32	20	99	73	111	63	7.6	5.0	6.1	35
24	40	45	31	20	96	70	98	52	7.7	5.0	6.1	27
25	23	35	30	20	73	62	141	46	9.6	6.5	7.0	20
26	18	29	28	29	66	59	202	51	9.6	6.1	9.7	20
27	15	29	28	51	166	59	193	46	9.6	7.3	26	19
28	13	27	28	80	186	64	179	37	9.4	8.5	176	18
29	11	27	14	61	———	80	179	32	8.0	13	91	18
30	11	33	29	29	———	102	164	36	6.1	19	34	17
31	11	———	42	22	———	103	———	61	———	28	18	———
TOTAL	469.6	1,048	1,031	932	1,583	2,859	5,464	2,760	566.0	237.9	722.0	1,369
MEAN	15.1	34.9	33.3	30.1	56.5	92.2	182	89.0	18.9	7.67	23.3	45.6
MAX	64	99	77	80	186	192	373	173	72	28	176	339
MIN	6.1	12	14	18	18	54	98	22	6.1	3.5	5.7	11

CAL YR 1970 TOTAL 19,362.9 MEAN 53.0 MAX 1,140 MIN 2.1
WTR YR 1971 TOTAL 19,044.1 MEAN 52.2 MAX 373 MIN 3.5

01205700 East Branch Naugatuck River at Torrington, Conn.

LOCATION.--Lat 41°48'12", long 73°07'06", Litchfield County, on upstream side of Wall Street bridge in Torrington, 0.3 miles downstream from Troy Brook, and 0.6 mile upstream from confluence with West Branch.

DRAINAGE AREA.--13.8 sq mi.

PERIOD OF RECORD.--August 1956 to current year.

GAGE.--Non-recording gage. Datum of gage is 539.26 ft above mean sea level.

AVERAGE DISCHARGE(adjusted beginning with water year 1966).--15 years, 21.5 cfs (21.16 inches per year).

EXTREMES.--Current year: Maximum discharge, 625 cfs Sept. 14 (gage height, 3.36 ft); minimum observed 1.8 cfs July 23 (gage height, 1.05 ft).
Period of record: Maximum discharge, 1,500 cfs Aug. 5, 1969 (gage height, 4.85 ft); minimum observed 0.3 cfs Aug. 19, 1963, and Aug. 24, 1964; minimum gage height observed 0.86 ft Aug. 24, 1964.

REMARKS.--Records good. Flow regulated by Lake Winchester, and by East Branch Detention Reservoir (see p. 113).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	4.5	13	10	18	74	47	38	21	3.7	8.8	5.3
2	3.7	4.8	11	13	14	58	72	32	16	7.1	7.1	4.0
3	4.0	4.9	10	12	9.3	49	135	66	20	3.7	5.3	4.2
4	8.8	5.3	41	11	10	50	104	52	16	3.4	40	3.7
5	5.3	12	20	28	9.7	47	78	41	13	3.1	10	3.7
6	5.0	8.5	18	25	15	41	64	32	12	3.1	7.1	3.1
7	4.5	8.2	26	23	11	64	96	29	9.7	3.1	4.8	4.0
8	4.2	5.5	13	28	11	54	80	44	11	2.6	4.2	3.7
9	4.0	5.0	13	16	20	41	80	68	16	2.6	4.0	3.7
10	3.1	7.1	13	13	11	32	92	60	10	2.3	3.7	3.1
11	2.9	7.1	11	13	13	34	72	44	8.4	2.3	29	2.6
12	3.7	6.6	13	12	14	31	80	36	7.9	2.4	5.7	22
13	3.4	11	16	12	38	29	88	112	7.1	2.4	4.0	80
14	3.1	25	16	11	52	29	94	96	7.1	3.1	3.1	265
15	5.3	47	15	11	38	40	68	92	6.2	2.4	2.9	110
16	13	27	12	11	22	104	64	62	5.7	2.6	2.6	35
17	6.6	18	13	11	22	76	55	57	5.3	2.4	2.6	24
18	5.0	15	14	10	21	55	50	44	5.3	5.3	2.6	20
19	4.0	18	13	10	22	47	54	36	4.8	4.8	2.6	16
20	4.0	15	14	10	27	60	54	32	4.5	3.1	3.1	13
21	4.5	30	15	9.6	29	52	50	28	4.0	3.1	2.9	28
22	7.0	21	15	9.7	27	42	47	29	4.0	2.6	2.1	16
23	27	29	14	9.7	50	37	38	24	4.5	2.0	2.9	13
24	13	18	14	8.8	33	35	39	21	4.2	2.4	2.3	10
25	7.9	15	14	9.7	32	35	41	20	4.2	2.3	2.3	8.8
26	7.9	15	13	13	35	32	35	22	4.0	2.6	2.3	7.9
27	7.1	11	13	24	110	29	32	18	3.4	3.7	36	7.1
28	6.2	11	15	60	90	32	32	16	3.7	2.9	110	7.1
29	5.7	9.7	12	49	------	46	57	15	3.4	4.2	18	7.5
30	5.3	16	11	12	------	47	44	15	3.7	27	10	7.1
31	4.0	------	11	13	------	47	------	27	------	15	7.1	------
TOTAL	196.2	436.9	462	508.5	812.0	1,455	1,938	1,256	247.7	133.3	349.1	739.4
MEAN	6.33	14.6	14.9	16.4	29.0	46.9	64.6	40.5	8.26	4.30	11.3	24.6
MAX	27	47	41	60	110	104	135	112	21	27	110	265
MIN	2.9	4.5	10	8.8	9.3	29	32	15	3.4	2.0	2.1	2.6
(+)*	0	0	0	0	0	0	+0.1	-0.1	-0.4	0	+0.4	0
MEAN‡	6.33	14.6	14.9	16.4	29.0	46.9	64.7	40.4	7.86	4.30	11.7	24.6
CFSM‡	0.46	1.06	1.08	1.19	2.10	3.40	4.69	2.93	0.57	0.31	0.85	1.78
IN‡	0.53	1.18	1.24	1.37	2.19	3.92	5.23	3.38	0.64	0.36	0.98	1.99

CAL YR 1970 TOTAL 7,880.2 MEAN 21.6 MAX 250 MIN 2.0 MEAN‡ 21.6 CFSM‡ 1.57 IN‡ 21.22
WTR YR 1971 TOTAL 8,534.1 MEAN 23.4 MAX 265 MIN 2.0 MEAN‡ 23.5 CFSM‡ 1.70 IN‡ 23.01

*Change in contents in Lake Winchester and East Branch Detention Reservoir, equivalent in cubic feet per second.

‡Adjusted for change in contents.

01206400 Leadmine Brook near Harwinton, Conn.

LOCATION.--Lat 41°43'46", long 73°03'13", Litchfield County, on left bank just upstream from bridge on South Road at Roraback Lodge, 300 ft downstream from Rock Brook, 2.8 miles upstream from mouth, and 3.0 miles south of Harwinton.

DRAINAGE AREA.--18.9 sq mi.

PERIOD OF RECORD.--February 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 514.58 ft above mean sea level.

AVERAGE DISCHARGE,--12 years, 34.1 cfs (24.50 inches per year).

EXTREMES.--Current year: Maximum discharge 518 cfs Sept. 14 (gage height, 5.10 ft); minimum 1.5 cfs July 29 (gage height, 1.51 ft).
Period of record: Maximum discharge, 1,520 cfs June 4, 1960 (gage height, 8.13 ft), from rating curve extended above 600 cfs; minimum 0.3 cfs Sept. 24-28, 1964; minimum gage height, 0.80 ft August 9, 1961.

PEAK DISCHARGE.--(Base, 500 cfs):

DATE	TIME	G.HT	DISCHARGE
9-14	0200	5.10	518

REMARKS.--Records excellent. Occasional regulation at low flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	5.9	22	19	18	64	96	47	31	6.8	18	18
2	19	5.9	20	20	14	93	73	42	27	34	10	15
3	20	5.6	21	19	15	90	136	64	34	16	12	12
4	27	7.7	47	21	15	83	59	76	30	10	62	10
5	20	21	33	60	16	73	94	52	24	6.4	25	8.0
6	18	15	27	48	22	66	85	43	21	5.2	16	6.9
7	17	11	23	39	24	66	76	40	17	4.2	11	6.8
8	17	9.6	25	33	24	93	89	56	16	3.4	8.5	6.4
9	4.6	8.8	19	29	29	77	81	93	21	2.9	6.1	5.8
10	2.8	12	20	26	27	65	34	97	16	2.6	4.9	4.6
11	2.6	16	20	23	24	61	99	58	19	2.3	9.5	4.4
12	2.5	13	19	22	26	55	96	69	16	2.3	12	45
13	2.4	10	21	21	37	54	84	118	12	2.0	12	93
14	2.3	40	19	22	230	53	72	95	10	2.5	7.2	229
15	4.2	47	29	20	67	77	60	73	9.5	2.2	5.2	109
16	22	34	21	19	30	192	53	78	7.6	2.0	4.2	69
17	11	26	22	19	25	93	51	76	6.8	2.0	3.6	45
18	6.5	21	29	18	30	91	48	58	5.9	3.2	3.2	38
19	5.3	25	26	17	35	105	45	47	4.9	4.2	2.9	35
20	4.4	34	20	16	48	77	43	44	4.2	6.4	2.8	30
21	4.2	62	27	16	60	110	41	41	4.0	8.0	2.6	52
22	7.6	30	24	16	53	95	39	42	3.6	3.8	2.5	36
23	32	35	24	18	73	94	38	36	3.2	2.8	2.1	39
24	20	28	24	20	57	87	38	33	3.1	2.3	1.9	25
25	13	22	23	23	50	74	41	32	3.8	2.9	4.2	21
26	10	20	23	40	60	72	40	38	5.2	2.5	2.9	20
27	8.9	20	22	35	136	75	37	32	6.1	2.2	21	18
28	7.3	19	25	30	76	77	38	29	3.1	1.8	169	18
29	6.9	19	20	27	------	82	69	27	2.6	2.0	57	18
30	6.4	23	19	24	------	75	55	31	2.3	12	30	17
31	6.0	------	19	21	------	99	------	34	------	20	23	------
TOTAL	329.8	659.5	733	777	1,340	2,577	1,920	1,657	368.8	180.9	552.3	1,054.8
MEAN	10.6	22.0	23.6	25.1	47.9	83.1	64.0	53.5	12.3	5.84	17.8	35.2
MAX	32	62	47	60	230	192	136	118	34	34	169	229
MIN	2.3	5.6	19	16	15	53	37	27	2.3	1.8	1.9	4.4
CFSM	.56	1.16	1.25	1.33	2.53	4.40	3.39	2.83	.65	.31	.94	1.86
IN.	.65	1.30	1.44	1.53	2.64	5.07	3.78	3.26	.73	.36	1.09	2.08

CAL YR 1970 TOTAL 12,341.75 MEAN 33.8 MAX 509 MIN .55 CFSM 1.79 IN 24.29
WTR YR 1971 TOTAL 12,149.10 MEAN 33.3 MAX 230 MIN 1.8 CFSM 1.76 IN 23.91

01206900 Naugatuck River at Thomaston, Conn.

LOCATION.--Lat 41°40'25", long 73°04'12", Litchfield County, on left bank at downstream side of bridge on U.S. Highway 6 and 202 at Thomaston, 1.5 miles downstream from Thomaston Reservoir, 2.5 miles upstream from Branch Brook, and at mile 29.5.

DRAINAGE AREA.--101 sq mi.

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 354.39 ft above mean sea level.

AVERAGE DISCHARGE(adjusted for storage).--12 years, 164 cfs (22.04 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,330 cfs Sept. 16 (gage height, 4.04 ft); minimum 14 cfs Aug. 23, 24 (gage height, 1.54 ft); minimum daily 14 cfs Aug. 10, Sept. 8.

Period of record: Maximum discharge, 5,140 cfs Mar. 31, 1960 (gage height, 6.25 ft); minimum 6.6 cfs Sept. 28, 1964 (gage height, 1.39 ft); minimum daily 8.4 cfs Sept. 14, 21, 27, 28 , 1964.

Flood of Aug. 19, 1955 reached a stage of 27.0 from floodmarks by Corps of Engineers (discharge 53,400 cfs, revised), from slope-area measurement of peak flow on Naugatuck, River (71.9 sq mi) and Leadmine Brook (24.0 sq mi) adjusted for intervening drainage area.

REMARKS.--Records excellent. Slight diurnal fluctuation at low flow. Flow regulated by Thomaston Reservoir, Hall Meadow Brook and East Branch Detention Reservoirs near Torrington, and Lake Winchester (see p. 116).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	34	104	77	85	962	400	282	171	71	83	58
2	29	35	87	89	78	655	504	245	127	98	57	47
3	47	34	81	88	70	428	916	306	148	41	47	43
4	96	42	213	90	69	372	933	369	128	32	293	39
5	47	87	176	259	72	289	741	278	100	27	109	35
6	43	65	132	238	87	265	482	232	80	25	57	33
7	39	49	104	169	90	408	552	203	73	23	41	34
8	37	45	89	142	88	513	638	249	70	21	33	34
9	29	43	88	122	123	352	534	401	103	20	28	33
10	24	44	90	117	110	263	739	360	69	19	27	31
11	22	61	89	107	93	254	660	287	62	18	55	29
12	23	54	87	101	95	230	601	263	59	18	77	367
13	27	75	96	86	129	224	609	132	54	17	38	248
14	24	228	94	89	371	217	615	155	53	22	30	428
15	36	203	87	92	328	294	501	406	45	17	26	931
16	109	197	74	86	222	765	423	510	43	17	24	1,060
17	60	129	89	85	176	929	367	497	41	18	23	268
18	39	95	129	84	164	576	319	467	38	37	22	171
19	33	102	119	77	172	537	284	454	35	32	21	148
20	30	124	130	70	201	219	292	375	32	37	21	121
21	29	314	114	69	252	527	281	203	32	31	20	219
22	45	165	97	77	226	555	255	212	33	22	18	167
23	166	173	111	78	315	400	224	181	29	19	16	136
24	105	142	106	76	283	330	200	159	27	18	17	105
25	64	108	101	77	149	274	238	149	30	20	18	85
26	52	91	97	117	289	266	333	175	36	18	18	77
27	48	86	99	161	503	263	301	148	30	20	111	75
28	43	85	93	141	827	300	292	130	24	18	270	72
29	40	81	84	122	------	377	416	114	24	30	377	72
30	37	103	79	103	------	434	339	129	24	101	527	67
31	36	------	78	93	------	412	------	161	------	74	160	------
TOTAL	1,484	3,094	3,217	3,382	5,667	12,890	13,989	8,232	1,820	981	2,664	5,233
MEAN	47.9	103	104	109	202	416	466	266	60.7	31.6	85.9	174
MAX	166	314	213	259	827	962	933	510	171	101	527	1,060
MIN	22	34	74	69	69	217	200	114	24	17	16	29
(†)	+0.1	+0.1	0	0	+11	-10	+0.2	-0.4	-0.8	+0.2	+0.3	-0.1
MEAN‡	48.0	103	104	109	213	406	466	266	59.9	31.8	86.2	174
CFSM‡	0.48	1.02	1.03	1.08	2.11	4.02	4.61	2.63	0.59	0.31	0.85	1.72
IN‡	0.55	1.14	1.19	1.24	2.20	4.64	5.14	3.03	0.66	0.36	0.98	1.92

CAL YR 1970 TOTAL 60,891 MEAN 167 MAX 1,780 MIN 14 MEAN‡ 167 CFSM‡ 1.65 IN‡ 22.44
WTR YR 1971 TOTAL 62,653 MEAN 172 MAX 1,060 MIN 16 MEAN‡ 172 CFSM‡ 1.70 IN‡ 23.05

†Change in contents in Hall Meadow Brook and East Branch Detention Reservoirs, Lake Winchester, and Thomaston Reservoir, equivalent in cubic feet per second, furnished by Corps of Engineers.

‡Adjusted for change in contents.

NAUGATUCK RIVER BASIN

01208012 Branch Brook near Thomaston, Conn.

LOCATION.--41°39'26", long 73°06'10", Litchfield County, on left bank 200 ft below outlet of Black Rock Reservoir and 1.8 miles southwest of Thomaston.

DRAINAGE AREA.--20.5 sq mi.

PERIOD OF RECORD.--June 24, 1971 to Sept. 30, 1971.

GAGE.--Water-stage recorder. Altitude of gage is 380 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge 494 cfs Sept. 14 (gage height, 3.11 ft); minimum about 3 cfs Sept. 30.

REMARKS.--Records good. Flow regulated by Black Rock Reservoir immediately upstream and by storage by city of Waterbury in Wigwam, Morris, and Pitch Reservoirs further upstream. (see p. 116)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										3.7	8.5	4.5
2										4.9	6.9	4.1
3										4.8	4.6	4.1
4										5.5	10	4.1
5										5.8	5.9	5.4
6										5.4	4.3	6.3
7										4.8	4.2	5.7
8										4.2	4.8	4.2
9										3.9	5.0	4.1
10										4.2	3.7	3.9
11										5.5	4.2	3.8
12										6.0	5.5	50
13										4.7	4.0	29
14										5.0	3.6	62
15										4.5	4.8	45
16										4.2	5.1	14
17										4.8	3.8	9.3
18										7.6	3.5	9.0
19										6.7	3.3	9.6
20										6.3	3.3	8.5
21										4.2	3.3	9.4
22										3.8	3.3	8.1
23										3.6	3.6	7.1
24									4.2	3.5	3.7	7.7
25									4.0	4.1	3.4	7.1
26									4.0	5.1	3.3	7.9
27									4.0	4.3	5.7	7.6
28									3.9	3.7	52	6.4
29					------				3.7	4.3	39	5.9
30					------				3.7	9.5	8.7	5.2
31		------			------		------		------	7.6	5.0	------
TOTAL										156.2	230.0	359.0
MEAN										5.04	7.42	12.0
MAX										9.5	52	62
MIN										3.5	3.3	3.8

01208420 Hop Brook near Naugatuck, Conn.

LOCATION.--Lat 41°30'21", long 73°03'31", New Haven County, on left bank 30 feet downstream from Porter Avenue bridge at the borough of Naugatuck golf course, 400 feet east of State Highway 63, 0.8 mile downstream from Hop Brook flood detention reservoir, 1.4 miles north of Naugatuck, and 0.6 mile upstream from mouth.

DRAINAGE AREA.--16.3 sq mi.

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 204 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 256 cfs Sept. 13 (gage height, 3.22 ft); minimum, 0.9 cfs July 16 (gage height, 1.32 ft).

Period of record: Maximum discharge, 482 cfs Feb. 5, 1970 (gage height, 3.88 ft); minimum 0.06 cfs Aug. 20, 23, 1970 (gage height, 0.33 ft).

Flood of August 19, 1955 reached a discharge of 2,650 cfs, by computation of peak flow by flow-through-culvert method.

REMARKS.--Records good. Flow regulated by Hop Brook Detention Reservoir (see p. 117).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TC SEPTEMBER 1971

DAY	CCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	7.2	17	13	15	131	28	23	24	8.7	38	22
2	2.6	7.1	16	13	13	103	28	20	18	26	53	18
3	6.3	6.8	15	14	12	80	41	28	46	9.3	25	16
4	28	7.5	28	15	12	77	32	43	28	5.8	14	15
5	11	27	21	50	13	58	27	37	19	4.5	12	14
6	7.0	15	17	45	15	41	26	26	15	4.0	9.1	12
7	5.8	11	14	35	16	44	53	23	13	3.3	7.2	12
8	5.0	9.8	14	25	17	91	67	31	15	2.4	6.2	12
9	4.3	9.0	11	22	30	147	57	61	34	2.0	5.4	11
10	3.7	11	12	20	25	132	64	39	16	1.6	4.5	9.4
11	3.5	15	11	19	23	60	45	30	12	1.5	3.8	8.6
12	3.2	13	9.6	18	20	54	37	26	11	1.5	39	78
13	3.1	27	9.9	18	30	56	34	78	10	1.2	16	201
14	3.0	48	8.7	18	67	54	31	85	9.5	2.1	8.8	127
15	22	41	7.0	18	30	71	28	43	8.6	1.6	6.4	220
16	30	30	10	17	23	127	26	55	8.6	1.1	11	111
17	15	20	25	16	21	97	26	57	7.7	1.2	5.0	45
18	9.8	17	40	15	21	65	24	39	6.6	2.2	4.6	40
19	8.3	30	25	14	24	61	23	33	5.9	11	4.7	35
20	8.8	40	30	13	34	89	22	30	5.6	14	5.1	32
21	7.1	62	22	14	41	134	21	28	5.5	6.6	5.1	73
22	13	31	15	14	37	65	20	28	5.3	4.2	5.0	46
23	40	31	16	14	92	57	19	24	5.0	3.4	4.7	33
24	23	25	17	14	67	50	18	21	4.7	2.9	5.1	29
25	14	20	15	14	65	44	25	21	4.3	3.3	4.9	25
26	10	18	14	18	67	41	22	27	6.3	3.2	5.1	24
27	8.9	18	12	28	182	39	20	22	4.7	4.0	14	23
28	8.7	17	12	28	175	36	20	19	3.7	2.5	65	23
29	8.6	17	11	20	------	36	36	17	3.1	6.8	140	22
30	7.9	20	13	16	------	33	27	23	3.2	59	156	21
31	7.5	------	12	15	------	30	------	33	------	37	94	------
TOTAL	331.9	651.4	500.2	613	1,187	2,203	947	1,070	359.3	237.9	777.7	1,358.0
MEAN	10.7	21.7	16.1	19.8	42.4	71.1	31.6	34.5	12.0	7.67	25.1	45.3
MAX	40	62	40	50	182	147	67	85	46	59	156	220
MIN	2.6	6.8	7.0	13	12	30	18	17	3.1	1.1	3.8	8.6

CAL YR 1970 TOTAL 9,641.53 MEAN 26.4 MAX 318 MIN .40
WTR YR 1971 TOTAL 10,236.40 MEAN 28.0 MAX 220 MIN 1.1

01208500 Naugatuck River at Beacon Falls, Conn.

LOCATION.--Lat 41°26'32", long 73°03'47", New Haven County, on left bank at downstream side of Bridge Street highway bridge at Beacon Falls, 0.4 mile upstream from Bronson Brook, and at mile 10.1.

DRAINAGE AREA.--261 sq mi.

PERIOD OF RECORD.--June 1918 to September 1924, September 1928 to September 1955 (published as "near Naugatuck"), October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 117.28 ft above mean sea level. Prior to Oct. 1, 1955, water-stage recorder at site 2.5 miles upstream at datum 37.89 ft higher. Oct. 1, 1955 to Mar. 21, 1957, nonrecording gage at present site and datum.

AVERAGE DISCHARGE(adjusted for storage and diversion).--49 years, (1918-71) 464 cfs (24.62 inches per year).

EXTREMES.--Current year: Maximum discharge about 3,500 cfs Sept. 16 (gage height about 6.84 ft); minimum about 40 cfs Aug. 23 (gage height, 2.73 ft); minimum daily 41 cfs Aug. 23.

Period of record: Maximum discharge, 106,000 cfs Aug. 19, 1955 (gage height, 25.7 ft from floodmarks), from rating curve extended above 9,000 cfs on basis of slope-area measurements at gage heights, 12.4' and 25.7' (site and datum then in use); minimum 24 cfs Oct. 21, 1935; minimum daily 40 cfs Oct. 5, 12, 1930, Sept. 7, 1936; minimum gage height (present site and datum), 1.32 ft August 28, 1966.

Flood in November 1927 reached a stage of 14 ft, site and datum then in use (discharge about 26,000 cfs).

REMARKS.--Records fair. Flow regulated by Lake Winchester, East Branch, Hall Meadow Brook, Thomaston, Pitch, Morris, Wigwam, Northfield, Hancock and Hop Brook Reservoirs (see p.116) and during low flow by plants upstream. Flow increased by diversion from Shepaug Reservoir into Naugatuck River basin. Town of Watertown diverts about 600,000 gpd for municipal supply from Pomperaug River basin into Naugatuck River about 10 miles upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	88	268	199	219	2,180	1,030	728	441	183	214	150
2	75	90	224	230	201	1,690	1,200	632	328	253	147	121
3	121	88	209	227	181	1,100	1,760	789	382	106	121	111
4	248	108	550	232	178	960	1,810	952	330	83	756	101
5	121	224	454	668	186	746	1,600	717	258	70	281	90
6	111	168	341	614	224	684	1,330	599	206	64	147	85
7	101	126	268	436	232	1,050	1,510	524	188	59	106	88
8	96	116	230	366	227	1,320	1,740	642	181	54	85	88
9	75	111	227	315	317	908	1,530	1,030	266	52	72	85
10	62	114	232	302	284	679	1,810	929	178	49	70	80
11	57	157	230	276	240	655	1,720	740	160	46	114	75
12	59	139	224	261	245	593	1,500	679	152	46	199	947
13	70	194	248	222	333	578	1,430	340	139	44	98	640
14	62	588	243	230	957	560	1,400	400	137	57	77	1,100
15	93	524	224	237	846	759	1,290	1,050	116	44	67	2,400
16	282	508	191	222	573	1,970	1,170	1,320	111	44	62	2,730
17	155	333	230	219	464	2,400	1,100	1,280	106	46	59	691
18	101	245	333	217	454	1,490	1,020	1,200	98	95	57	441
19	85	263	307	199	460	1,390	968	1,170	90	83	54	382
20	78	320	335	181	519	565	927	968	83	95	54	312
21	75	810	294	178	650	1,360	907	524	83	80	52	565
22	116	426	250	199	583	1,430	875	547	85	57	48	431
23	429	446	286	201	813	1,030	827	467	75	49	41	403
24	271	366	273	196	730	851	781	410	70	46	44	271
25	230	279	261	199	384	707	855	384	77	52	46	219
26	210	235	250	302	746	686	939	452	93	60	46	199
27	190	222	255	415	1,300	679	942	382	77	191	286	194
28	175	219	240	364	2,130	774	753	335	62	110	697	186
29	162	209	217	315	------	973	1,070	294	62	77	973	186
30	154	266	204	266	------	1,120	875	333	62	261	1,360	173
31	150	------	201	240	------	1,060	------	415	------	191	413	------
TOTAL	4,279	7,982	8,259	8,728	14,676	32,947	36,669	21,232	4,696	2,747	6,844	13,544
MEAN	138	266	268	282	524	1,063	1,222	685	157	88.6	221	451
MAX	429	810	550	668	2,130	2,400	1,810	1,320	441	261	1,360	2,730
MIN	57	88	191	178	178	560	753	294	62	44	41	75
(†)	-28.4	-19.4	-19.6	-23.2	-7.0	-21.8	-15.6	-15.4	-38.6	-33.3	-25.9	-23.3
MEAN*	110	247	248	259	517	1,041	1,206	670	118	55.3	195	428
CFSM*	0.42	0.95	0.95	0.99	1.98	3.99	4.62	2.57	0.45	0.21	0.75	1.64
IN*	0.48	1.06	1.10	1.14	2.06	4.60	5.16	2.96	0.50	0.24	0.86	1.83

CAL YR 1970 TOTAL 164,477 MEAN 451 MAX 3,250 MIN 57 MEAN 432 CFSM 1.65 IN 22.40
WTR YR 1971 TOTAL 162,643 MEAN 446 MAX 2,730 MIN 41 MEAN 423 CFSM 1.62 IN 21.99

†Change in contents in Lake Winchester, Pitch, Morris, and Wigwam Reservoirs diversion from Shepaug Reservoir and change in contents in Hall Meadow Brook, East Branch, Black Rock, Thomaston, Northfield, and Hop Brook Reservoirs, equivalent in cubic feet per second, furnished by city of Waterbury and Corps of Engineers.

Adjusted for diversion and change in contents.

Reservoirs in Housatonic River basin

01201000 LAKE CANDLEWOOD (ROCKY RIVER RESERVOIR).--Lat 41°35'00", long 73°26'00", Litchfield County, Conn., on Rocky River, 2 miles west of New Milford. Drainage area, 40.4 sq mi. Usable capacity, 6,210,000,000 cu ft. Records available, August 1928 to September 1970. Completed in 1928 for storage of water for power; impounds water pumped from the Housatonic River during offpeak power periods. Records furnished by Conn. Light and Power Co.

01201999 CAIRNS RESERVOIR (formerly published as UPPER SHEPAUG RESERVOIR).--Lat 41°44'40", long 73°18'05", Litchfield County, Conn., on West Branch Shepaug River, 2.6 miles north of Woodville. Drainage area, 10.1 sq mi. Usable capacity, 360,000,000 cu ft. Records available November 1964 to September 1970. Completed in 1964 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01202000 SHEPAUG RESERVOIR.--Lat 41°43'24", long 73°17'37", Litchfield County, Conn., on Shepaug River, 1 mile north of Woodville. Drainage area, 38.0 sq mi. Usable capacity, 96,100,000 cu ft, of which 76,900,000 cu ft can be diverted for municipal supply. Storage below diversion intake can be released through floodgates or through a fountain at toe of dam. Records available, January 1933 to September 1970. Completed in September 1933 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01203500 LAKE LILLINONAH.--Lat 41°26'52", long 73°17'49", Litchfield County, Conn., on Housatonic River, and Fairfield County, Conn., 2.3 miles north of Newtown. Drainage area, 1,392 sq mi. Usable capacity above taintor gate sills, 1,756,000,000 cu ft. Normal operating volume formerly called "usable capacity", 235,000,000 cu ft (revised). Previously published figures of contents were those for total contents, including dead storage below taintor gate sills. Records available January 1955 to September 1970. Completed in 1955 for storage of water for power. Records furnished by Connecticut Light and Power Co.

01203530 LOCKWOOD RESERVOIR.--Lat 41°39'26", long 73°11'13", Litchfield County, Conn., on East Spring Brook in Pomperaug River basin, 1.7 mile northeast of Bethlehem. Drainage area, 1.35 sq mi. Usable capacity, 35,800,000 cu ft. Water is released from the reservoir to maintain water level in channel beside infiltration basin for wells at Woodbury pumping station. Records available September 1960 to September 1970. Completed in 1959 for storage of water for municipal supply of town of Watertown. Records furnished by Watertown Fire District.

01205000 LAKE ZOAR.--Lat 41°23'00", long 73°10'18", Fairfield County, Conn., on Housatonic River at Stevenson. Drainage area, 1,545 sq mi. Usable capacity, 331,000,000 cu ft. Records available, August 1928 to September 1970. Completed in 1919 for storage of water for power. Records furnished by Conn. Light and Power Co.

01205560 HALL MEADOW BROOK DETENTION RESERVOIR.--Lat 41°52'10", long 73°10'04", Litchfield County, Conn., on Hall Meadow Brook in West Branch Naugatuck River basin, 5.2 miles north of Torrington. Drainage area, 11.9 sq mi. Usable capacity, 375,000,000 cu ft. Records available, October 1964 to September 1970. Completed in 1962 by Corps of Engineers for recreation and flood control. Operated and maintained by Park and Forest Commission of Connecticut, Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01205610 LAKE WINCHESTER.--Lat 41°54'27", long 73°09'08", Litchfield County, Conn., 1 mile northeast of Winchester on East Branch Naugatuck River. Drainage area, 2.23 sq mi. Usable capacity, 98,800,000 cu ft based on lake survey by the Conn. Board of Fisheries and Game. Records available, September 1965 to September 1970 Completed in 1926 for storage of water for power. Lake is presently used for conservation and recreation.

01205650 EAST BRANCH DETENTION RESERVOIR.--Lat 41°50'13", long 73°07'45", Litchfield County, Conn., on East Branch Naugatuck River, 2.3 miles north of Torrington. Drainage area, 9.11 sq mi. Usable capacity, 189,500,000 cu ft. Records available, March 1965 to September 1970. Completed in 1964 by Corps of Engineers for recreation and flood control. Operated and maintained by Park and Forest Commission of Conn. Department of Agriculture and Natural Resources. Records furnished by Corps of Engineers.

01206600 THOMASTON RESERVOIR.--Lat 41°41'41", long 73°03'44", Litchfield County, Conn., on Naugatuck River, 0.2 mile downstream from Leadmine Brook, 1.5 miles north of Thomaston, and at mile 31.0 (revised). Drainage area, 98.0 sq mi. Usable capacity, 1,830,000,000 cu ft. Records available, January 1961 to September 1970. Completed in December 1960 by Corps of Engineers for flood control. Records furnished by Corps of Engineers.

01206940 NORTHFIELD BROOK LAKE.................--Lat 41°40'48", long 73°05'27", Litchfield County, Conn., on Northfield Brook in Naugatuck River basin, 1 mile northwest of Thomaston. Drainage area, 5.7 sq mi. Usable capacity, 102,000,000 cu ft. Permanent pool capacity, 3,600,000 cu ft. Records available, September 1965 to September 1970. Completed in 1965 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01207000 PITCH RESERVOIR.--Lat 41°41'34", long 73°09'04", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 4 miles northwest of Thomaston. Drainage area, 5.39 sq mi. Usable capacity, 189,000,000 cu ft (revised). Records available, October 1943 to September 1970. Completed in 1943 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01207500 MORRIS RESERVOIR.--Lat 41°40'29", long 73°08'39", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 3.5 miles west of Thomaston. Drainage area, including Pitch Reservoir, 12.8 sq mi. Usable capacity, 265,600,000 cu ft (revised). Records available, May 1918 to September 1924, September 1928 to September 1970. Completed in 1913 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

01208000 WIGWAM RESERVOIR.--Lat 41°39'50", long 73°07'41", Litchfield County, Conn., on Branch Brook in Naugatuck River basin, 3 miles west of Thomaston. Drainage area, including Pitch and Morris Reservoirs, 17.3 sq mi. Usable capacity, 98,500,000 cu ft (revised). Records available, May 1918 to September 1924, September 1928 to September 1970. Completed in 1902 for storage of water for municipal supply of city of Waterbury. Records furnished by Bureau of Engineering, city of Waterbury.

Reservoirs in Housatonic River basin--continued

01208011 BLACK ROCK LAKE......--Lat 41°39'26", long 73°06'13", Litchfield County, Conn. on Branch Brook in Naugatuck River basin 1.8 miles southwest of Thomaston. Drainage area, 20.5 sq mi. Permanent pool capacity, 11,543,000 cu ft. Records available October 1970 to current year. Completed in 1970 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01208130 HANCOCK BROOK LAKE................--Lat 41°37'23", long 73°02'12", Litchfield County, Conn., on Hancock Brook in Naugatuck River basin, 1.1 miles southwest of Hancock. Drainage area, 12.0 sq mi. Usable capacity, 170,000,000 cu ft. Permanent pool capacity, 5,700,000 cu ft. Records available, September 1965 to current year. Completed in 1965 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

01208410 HOP BROOK LAKE......--Lat 41°30'50", long 73°04'03", New Haven County, Conn., on Hop Brook in Naugatuck River basin, 1.2 miles northwest of Union City. Drainage area, 15.7 sq mi. Capacity 304,000,000 cu ft. Records available, February 1969 to current year. Completed in 1969 by Corps of Engineers for recreation and flood control. Records furnished by Corps of Engineers.

Month-end usable contents in million of cubic feet, water year October 1970 to September 1971

Date	Lake Candlewood	Cairns Reservoir	Shepaug Reservoir	Lake Lillinonah	Lake Zoar	Hall Meadow Brook Detention Reservoir	Lake Winchester
Sept. 30, 1970....	5,368	200	74.3	1,544	276.1	0.5	116.2
Oct. 31...........	5,250	190	58.0	1,582	289.6	.5	116.2
Nov. 30...........	5,440	191	96.2	1,605	294.1	.8	116.2
Dec. 31...........	5,518	315	93.5	1,492	276.1	.8	116.2
Jan. 31, 1971.....	5,416	251	91.4	1,499	294.1	.8	116.2
Feb. 28...........	5,714	301	99.2	1,306	340.0	---	116.2
Mar. 31...........	5,738	363	98.9	1,250	263.5	1.2	116.2
Apr 30............	5,786	362	98.7	1,440	170.2	1.7	116.2
May 31............	5,991	361	97.3	1,552	294.1	1.3	116.2
June 30...........	5,871	359	60.4	1,514	298.7	.5	115.1
July 31...........	5,702	303	48.6	1,582	294.1	.8	115.2
Aug. 31...........	5,762	268	65.1	1,433	294.1	.6	116.2
Sept. 30..........	5,606	291	96.2	1,552	253.5	.5	116.2

Date	East Branch Detention Reservoir	Thomaston Reservoir	Black Rock Lake	Northfield Brook Lake	Pitch Reservoir	Morris Reservoir	Wigwam Reservoir
Sept. 30, 1970....	0	0.2	13.3	4.3	189.2	252.0	98.5
Oct. 31...........	.1	.3	12.5	4.4	189.3	243.2	98.5
Nov. 30...........	.1	.3	12.0	4.4	189.3	250.4	98.5
Dec. 31...........	.1	.3	11.6	3.8	189.2	259.7	98.6
Jan. 31, 1971.....	.1	.2	11.7	3.8	184.6	245.9	98.8
Feb. 28...........	.2	27.6	12.7	3.9	186.6	268.0	99.9
Mar. 31...........	.1	1.1	11.2	4.2	189.0	268.3	99.1
Apr. 30...........	.3	.9	10.8	4.0	184.9	265.0	98.6
May 31............	.1	.4	13.4	4.4	184.7	261.7	98.8
June 30...........	.1	.2	12.5	4.0	184.7	248.6	98.2
July 31...........	.1	.3	13.3	4.6	184.9	244.4	98.6
Aug. 31...........	.1	.3	13.2	4.4	186.6	264.3	98.4
Sept. 30..........	.1	.2	13.3	.6	189.5	262.4	98.5

Date	Hancock Brook Lake	Hop Brook Lake
Sept. 30, 1970....	6.3	5.5
Oct. 31...........	6.0	5.6
Nov. 30...........	6.9	5.7
Dec. 31...........	5.5	5.6
Jan. 31, 1971.....	5.6	5.6
Feb. 28...........	8.7	5.7
Mar. 31...........	6.0	5.9
Apr. 30...........	6.0	5.9
May 31............	---	6.0
June 30...........	5.4	5.6
July 31...........	5.4	6.9
Aug. 31...........	9.1	8.4
Sept. 30..........	8.4	5.8

01208950 Sasco Brook near Southport, Conn.

LOCATION.--Lat 41°09'10", long 73°18'23", Fairfield County, on downstream side of bridge on Hulls Farm Road, 1.5 miles northwest of Southport.

DRAINAGE AREA.--7.28 sq mi.

PERIOD OF RECORD.--Water years 1961-64 (occasional low-flow measurements and annual maximum). October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 52.01 ft above mean sea level. Prior to October 6, 1964, crest-stage indicator; October 6, 1964 to June 16, 1966, graphic water-stage recorder, and June 17, 1966 to May 1, 1969 wire-weight and crest-stage indicator at same site and datum.

AVERAGE DISCHARGE.--7 years, 9.71 cfs (18.11 inches per year).

EXTREMES.--Current year: Maximum discharge, 250 cfs Sept. 14 (gage height, 3.70 ft); minimum 0.14 cfs Oct. 3 (gage height, 1.03 ft).

Period of record: Maximum discharge, 340 cfs Dec. 4, 1968 (gage height, 4.15 ft); minimum 0.01 cfs Oct. 1, 2, 6-12, 1964 and August 13, 14, August 29 to September 3, 1966.

PEAK DISCHARGE.--(Base, 125 cfs):

DATE	TIME	G.HT	DISCHARGE
2-27	1230	3.03	155
7-30	1530	3.22	182
9-14	0100	3.70	250

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.22	.98	2.3	2.0	2.7	34	10	10	6.6	3.6	32	.46
2	.21	.98	2.0	2.3	2.7	27	11	8.3	4.7	7.3	22	.37
3	.19	.99	1.7	2.3	2.6	25	20	14	5.7	2.7	14	.33
4	.41	.73	3.6	4.5	2.6	55	14	16	5.3	1.3	12	.29
5	.32	2.2	2.4	29	3.5	33	11	11	3.8	1.0	13	.30
6	.23	.96	2.2	18	4.3	25	12	8.6	2.6	.90	8.2	.31
7	.23	.85	1.7	10	4.0	80	57	7.4	1.9	.76	6.0	.35
8	.16	1.0	1.5	7.0	9.0	65	35	17	1.7	.67	4.6	.28
9	.19	1.0	1.7	5.6	14	45	25	25	2.3	.60	3.1	.30
10	.19	1.1	2.1	5.0	14	32	19	14	1.9	.60	1.9	.29
11	.12	1.4	1.9	4.3	13	28	16	10	1.3	.60	3.7	.28
12	.10	1.2	2.6	3.7	10	26	14	9.1	1.2	.60	3.7	61
13	.11	8.2	2.8	3.3	29	24	13	39	1.3	.60	1.9	61
14	.09	13	2.6	3.0	39	22	12	38	1.4	.60	1.5	153
15	.20	12	2.6	2.7	23	21	12	18	1.3	.60	1.2	49
16	.51	7.6	2.1	2.4	13	20	11	33	1.3	.60	1.1	26
17	.27	4.8	8.1	2.2	11	17	11	25	1.3	.60	.95	17
18	.21	3.6	9.6	2.0	13	15	9.6	18	1.0	.60	.85	15
19	.16	5.1	6.6	1.8	16	28	8.8	14	.93	12	.80	12
20	.14	7.1	6.7	1.6	20	81	8.3	11	.88	11	.81	13
21	.17	15	6.2	1.4	25	35	9.0	11	.85	3.4	.84	22
22	.32	6.9	5.0	1.8	24	25	7.9	11	.98	1.6	.79	14
23	.71	5.2	4.5	2.6	81	21	7.2	8.8	.89	1.1	.69	11
24	.52	4.0	4.0	2.5	42	18	6.9	7.1	.85	1.0	.64	9.0
25	.47	3.2	3.6	3.7	31	16	7.1	6.7	.90	1.2	.60	7.6
26	.46	2.8	3.2	8.0	25	15	7.2	7.8	.87	1.9	.60	6.9
27	.45	2.6	2.8	8.7	99	14	7.5	6.2	.91	20	13	7.2
28	.54	2.5	2.5	5.5	60	13	8.5	5.3	.97	7.3	55	7.4
29	.52	2.2	2.2	3.8	------	13	16	5.0	.75	6.4	14	7.3
30	.57	2.8	1.9	3.4	------	12	11	5.9	.67	114	1.7	7.4
31	.57	------	1.7	3.0	------	11	------	6.8	------	67	.62	------
TOTAL	9.44	120.79	104.4	157.5	633.4	896	418.0	428.0	57.03	272.13	221.75	510.36
MEAN	.30	4.03	3.37	5.08	22.6	28.9	13.9	13.8	1.90	8.78	7.15	17.0
MAX	.71	15	9.6	29	99	81	57	39	6.6	114	55	153
MIN	.08	.58	1.5	1.4	2.6	11	6.9	5.0	.67	.60	.60	.28
CFSM	.04	.55	.46	.70	3.10	3.97	1.91	1.90	.26	1.21	.98	2.34
IN.	.05	.62	.53	.80	3.24	4.58	2.14	2.19	.29	1.39	1.13	2.61

CAL YR 1970 TOTAL 3,411.20 MEAN 9.35 MAX 160 MIN .08 CFSM 1.28 IN 17.43
WTR YR 1971 TOTAL 3,829.80 MEAN 10.5 MAX 153 MIN .08 CFSM 1.44 IN 19.56

01208990 Saugatuck River near Redding, Conn.

LOCATION.--Lat 41°17'40", long 73°23'44", Fairfield County, on downstream side of bridge on State Highway 53, 100 ft south of the intersection of State Highways 53 and 107, 0.8 mile upstream from Saugatuck Reservoir, and one mile southwest of Redding.

DRAINAGE AREA.--20.4 sq mi.

PERIOD OF RECORD.--Water year 1961 (occasional low-flow measurements), water years 1962-64 (occasional low-flow measurements and annual maximum). October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 285.42 ft above mean sea level. Prior to October 1, 1969 nonrecording gage and crest-stage gage.

AVERAGE DISCHARGE.--7 years, 30.9 cfs (20.57 inches per year).

EXTREMES.--Current year: Maximum discharge, 834 cfs Sept. 14 (gage height, 4.49 ft); minimum 1.0 cfs Oct. 16 (gage height, 1.07 ft);
Period of record: Maximum discharge, 2,160 cfs March 25, 1969 (gage height, 5.88 ft); minimum observed 0.05 cfs Sept. 2, 1966 (gage height, 0.66 ft).

PEAK DISCHARGE.--(Base, 200 cfs):

DATE	TIME	G.HT	DISCHARGE
2-27	0930	3.12	215
3-07	1500	3.31	268
8-28	0730	3.53	346
9-14	0130	4.49	834

REMARKS.--Records good. Records of water quality for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	4.8	17	12	17	137	37	29	24	6.9	40	44
2	2.6	4.8	17	12	14	120	38	27	21	16	29	33
3	3.2	4.7	18	13	13	104	52	37	26	10	22	28
4	5.6	4.6	20	14	13	110	41	46	24	7.0	19	24
5	5.0	22	18	46	15	98	37	37	19	6.0	16	21
6	4.0	15	19	35	20	87	36	34	16	5.5	13	19
7	3.5	11	18	32	29	177	89	31	14	4.9	10	18
8	3.1	9.2	16	27	31	163	90	42	13	4.2	8.8	16
9	3.0	8.1	14	23	47	135	74	53	12	3.6	7.4	15
10	2.8	8.0	15	22	35	117	66	43	9.9	3.3	6.3	14
11	2.5	9.7	14	22	33	112	57	38	8.9	3.0	8.6	12
12	2.3	11	14	21	33	103	52	34	8.2	2.8	39	194
13	2.3	20	14	21	57	101	49	75	8.1	2.6	24	226
14	2.0	35	15	21	89	96	46	77	7.9	2.5	16	474
15	5.8	31	14	22	61	97	41	59	7.6	2.5	13	273
16	12	28	15	20	54	104	39	74	7.7	2.5	11	181
17	7.9	24	19	19	44	97	38	69	7.2	2.6	8.8	132
18	5.8	21	23	18	43	84	35	55	6.5	2.9	7.9	105
19	5.0	22	21	17	45	92	32	47	6.1	11	6.5	85
20	4.3	25	23	15	50	145	30	40	5.6	23	6.2	73
21	4.0	53	20	15	67	113	30	37	5.4	12	5.5	83
22	5.3	33	17	16	64	94	29	35	4.9	8.1	4.9	69
23	18	30	17	16	111	85	27	32	4.7	6.0	4.5	58
24	13	26	19	16	99	76	26	29	4.5	5.1	4.2	49
25	9.7	22	24	16	95	67	30	27	4.3	5.4	3.9	40
26	8.0	20	17	21	90	62	28	32	5.1	5.3	4.0	36
27	6.9	20	17	27	162	56	30	28	4.6	9.5	38	33
28	6.2	18	16	27	151	52	29	27	4.1	9.3	213	30
29	5.7	17	13	20	------	49	34	25	3.9	7.5	151	29
30	5.3	18	12	18	------	45	30	25	3.9	38	107	26
31	5.0	------	12	16	------	41	------	27	------	48	65	------
TOTAL	172.6	575.9	527	640	1,582	3,019	1,272	1,271	298.1	277.0	913.9	2,440
MEAN	5.57	19.2	17.0	20.6	56.5	97.4	42.4	41.0	9.94	8.94	29.5	81.3
MAX	18	53	24	46	162	177	90	77	26	48	213	474
MIN	2.0	4.6	12	12	13	41	26	25	3.9	2.5	3.9	12
CFSM	.27	.94	.83	1.01	2.77	4.77	2.08	2.01	.49	.44	1.45	3.99
IN.	.31	1.05	.96	1.17	2.88	5.51	2.32	2.32	.54	.51	1.67	4.45

CAL YR 1970 TOTAL 11,489.33 MEAN 31.5 MAX 470 MIN .80 CFSM 1.54 IN 20.95
WTR YR 1971 TOTAL 12,988.50 MEAN 35.6 MAX 474 MIN 2.0 CFSM 1.75 IN 23.68

01209700 Norwalk River at South Wilton, Conn.

LOCATION.--Lat 41°09'45", long 73°25'11", Fairfield County, on right bank at upstream side of bridge on Kent Road at South Wilton, 2.5 miles north of Norwalk.

DRAINAGE AREA.--29.7 sq mi.

PERIOD OF RECORD.--Water years 1961-62 (occasional low-flow measurements). September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 115.69 ft above mean sea level.

AVERAGE DISCHARGE.--9 years, 40.4 cfs (18.46 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,700 cfs Sept. 14 (gage height, 4.37 ft); minimum 2.6 cfs Oct. 14, 15 (gage height, 1.18 ft).

Period of record: Maximum discharge, 1,700 cfs Sept. 14, 1971 (gage height, 4.37 ft); minimum 0.3 cfs Sept. 24, 1964 (gage height, 0.82 ft).

Flood of October 1955 reached a stage of 17.2 ft from floodmarks.

PEAK DISCHARGE.--(Base, 500 cfs):

DATE	TIME	G.HT	DISCHARGE
8-28	1100	3.01	531
9-14	0500	4.37	1,700

REMARKS.--Records good. Occasional regulation at low flow by mill upstream. City of Norwalk diverts an indeterminable amount of water from Streets (Popes) Pond, drainage area 2.30 sq mi.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	6.7	19	13	17	203	49	43	28	18	90	37
2	4.1	5.9	18	15	15	169	48	37	24	31	66	27
3	4.5	5.7	17	24	14	150	75	51	27	19	35	22
4	6.8	6.7	20	18	11	173	59	65	27	15	28	19
5	5.6	28	18	64	16	137	52	52	21	10	22	17
6	5.0	18	17	56	24	132	49	42	18	8.2	16	16
7	5.1	16	16	40	22	253	156	37	16	6.9	13	15
8	4.6	13	13	35	60	218	140	61	15	5.9	11	14
9	4.0	11	13	25	82	161	121	92	15	5.8	10	13
10	3.5	9.8	14	23	80	139	107	69	13	5.5	8.9	12
11	3.0	11	14	22	75	134	93	53	12	5.3	8.5	12
12	3.0	11	16	21	39	122	76	44	11	5.2	22	557
13	3.0	27	16	20	86	118	71	122	11	5.3	15	404
14	2.8	55	16	19	155	111	67	124	10	6.0	12	1,020
15	3.3	57	16	18	110	113	58	90	11	4.5	11	355
16	9.5	48	15	17	82	119	55	111	10	4.5	8.4	229
17	7.7	33	24	16	69	112	55	105	9.6	4.4	7.3	163
18	8.2	25	30	16	74	100	53	81	9.3	4.4	6.7	137
19	7.3	24	24	15	88	121	43	65	8.7	15	6.3	120
20	9.9	30	26	13	102	225	39	55	8.3	34	6.2	100
21	5.2	80	25	11	117	161	37	52	7.7	14	6.0	95
22	7.9	55	22	12	126	133	36	49	7.1	13	5.5	95
23	10	46	20	14	248	115	33	40	6.9	9.1	5.2	79
24	15	32	22	14	189	100	34	35	6.7	7.4	5.3	61
25	14	25	21	14	172	89	40	33	6.4	8.0	4.5	34
26	12	21	19	29	156	82	38	47	6.9	8.7	4.5	46
27	10	20	16	50	327	79	39	35	6.3	13	61	44
28	8.1	19	16	25	252	70	38	30	6.0	11	305	42
29	6.9	19	15	25	-------	69	56	27	6.0	12	153	40
30	6.7	20	15	20	-------	62	45	28	6.0	98	113	37
31	6.5	-------	14	19	-------	59	-------	34	-------	91	64	-------
TOTAL	211.9	778.8	567	723	2,808	4,029	1,862	1,811	370.9	501.1	1,130.3	3,862
MEAN	6.84	26.0	18.3	23.3	100	130	62.1	58.4	12.4	16.2	36.5	129
MAX	18	80	30	64	327	253	156	124	28	98	305	1,020
MIN	2.8	5.7	13	11	11	59	33	27	6.0	4.4	4.5	12
CFSM	.23	.88	.62	.78	3.37	4.38	2.09	1.97	.42	.55	1.23	4.34
IN.	.27	.98	.71	.91	3.52	5.05	2.33	2.27	.46	.63	1.42	4.84

CAL YR 1970 TOTAL 15,588.70 MEAN 42.7 MAX 80 MIN 0 CFSM 1.44 IN 19.53
WTR YR 1971 TOTAL 18,655.00 MEAN 51.1 MAX 1,020 MIN 2.8 CFSM 1.72 IN 23.37

DISCHARGE AT PARTIAL-RECORD STATIONS

As the number of streams on which streamflow is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations and t[illegible]cond is a table of annual maximum stage and discharge at crest-stage stations.

Low-Flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. These measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentially of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi.)	Period of record	Measurements	
					Date	Discharge (cfs)
		Pawcatuck River basin				
1183.5	Green Fall River at Clarks Falls	Lat 41°27'17", long 71°48'52", at bridge on State Highway 216 at Clarks Falls	19.8	1961-71	6-10-71	19
1184	Shunock River near No.Stonington	Lat 41°24'36", long 71°50'43", at bridge on State Highway 49, 2 1/2 miles southeast of No. Stonington.	16.2	1961-71	6-10-71	18
		Mystic River basin				
1187	Whitford Brook at Old Mystic	Lat 41°23'41", long 71°57'40", at bridge on State Highway 184 at Old Mystic.	14.4	1961-61	6-10-71	13
*1187.5	Haleys Brook near Old Mystic	Lat 41°23"20", long 71°59'11", at bridge on Colonel Ledyard Highway 11/4 miles west of Old Mystic.	4.25	1962-65 1967 1969-71	7-2-71	1.5
		Thames River basin				
*1192.55	Delphi Brook near Staffordville	Lat 42°01'23", long 72°14'53", at bridge on State Highway 19, 2.1 miles northeast of Staffordville.	2.48	1962-71	7-22-71	0.76
*1193	Roaring Brook near Staffordville	Lat 41°59'05", long 72°13'48", at abandoned bridge beside Bradway Rd., 1.7 miles east of Staffordville.	5.47	1960-71	7-22-71	0.97
*1193.6	Conat Brook at West Willington	Lat 41°52'17", long 72°17'31", at bridge on Sharps Hill Road, 0.5 mile southeast of W. Willington.	2.21	1963-71	7-8-71	1.4
*1198.2	Skungamaug River at N. Coventry	Lat 41°47'32", long 72°21'20", at bridge on State Highway 31, 1.0 mile southeast of N. Coventry.	23.5	a1962-71	7-27-71	3.6
1202	Tenmile River near Willimantic	Lat 41°42"25", long 72°14'52", at bridge on Kingsley Rd., 2 miles west of Willimantic.	16.5	1962-71	6-16-71	4.79
1206	Still River near Phoenixville	Lat 41°52'08", long 72°05'08", at bridge on US Highway 44A, at Phoenixville.	30.9	1962.71	7-1-71	4.9
1207	Bigelow Brook near Phoenixville	Lat 41"52'45", long 72°06'11", at bridge on US Highway 44, 3/4 mile west of Phoenixville.	21.2	1961-71	7-1-71	4.6
1208.5	Natchaug River at North Windham	Lat 41°45'10", long 72°09'19", at bridge on Bedlam Road, at North Windham.	8.12	1962-64 1966-71	6-28-71	27

*Also a crest-stage station

a Continuous-record station, July 1962 to September 1964

Discharge measurements made at low-flow partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi.)	Period of record	Measurements	
					Date	Discharge (cfs)
1209.3	Mount Hope River at Westford	Lat 41°55'12", long 72°10'47", at bridge on State Highway 89, 1/4 mile west of Westford.	81.2	1962-71	7-1-71	0.54
1209.4	Knowlton Brook at West Ashford	Lat 41°52'04", long 72°12'12", at bridge on US Highway 44a, 0.6 mile southwest of West Ashford.	5.92	1962-64 1967-71	7-15-71	0.78
*1213	Fenton River at East Willington	Lat 41°52'20", long 72°14'31", at bridge on US Highway 44, at East Willington.	11.5	1961-71	7-15-71	1.0
1213.5	Fenton River at Gurleyville	Lat 41°46'52", long 72°13'33", at bridge on Gurleyville Road, 1/4 mile west of Gurleyville.	23.0	1962-64 1966-71	6-28-71	9.2
*1226.8	Merrick Brook near Scotland	Lat 41°43'44", long 72°05'08", by Brook Road, 2.1 miles north of Scotland.	5.04	1964-71	6-17-71	2.4
1228	Beaver Brook at Baltic	Lat 41°37'07", long 72°16'16", at bridge on La Croix Road, 1 mile west of Baltic.	9.21	1962-64 1967-71	7-2-71	7.9
*1253	English Neighborhood Brook at North Woodstock	Lat 41°59'27", long 71°59'51", at bridge on State Highway 93 at North Woodstock.	4.99	1961-71	6-14-71	2.4
*1256	Mashamoquet Brook at Abington	Lat 41°52'27", long 72°00'35", at bridge on Taft Pond Road, 1 mile north of Abington.	11.0	b1961-71	6-15-71	6.5
*1256.5	Wappaquia Brook near Pomfret	Lat 41°51'57", long 71°57'30", at bridge on Day Road, 2 miles south of Pomfret.	4.28	1961-71	6-15-71	1.7
1258	Five Mile River near E. Thompson	Lat 41°59'11", long 71°48'57", at bridge on Spicer Road, 1.5 miles south of East Thompson.	10.3	1961-71	6-28-71	7.4
*1259	Cady Brook at East Putnam	Lat 41°54'32", long 71°49'11", at bridge on East Putnam Road, 1/3 mile south of East Putnam.	8.02	1961-71	6-28-71	2.5
*1267	Kitt Brook near Canterbury	Lat 41°40'50", long 71°58'42", at bridge at Mudhole (Elmdale) Road, 11/4 miles south of Canterbury.	11.1	1961-71	6-15-71	7.0
1269.23	Denison Brook at Voluntown	Lat 41°34'20", long 71°51'23", at ruins of Old Collins Dam, 1/4 mile upstream from State Highway 165, 1/2 mile east of Voluntown.	4.01	b1962-63 1964 1966-71	6-10-71	4.8
*1271	Broad Brook near Preston City	Lat 41°33'14", long 71°58'15", at bridge on State Highway 164, 1.8 miles north of Preston City.	12.7	1961-65 1967-71	6-11-71	6.6
1272	Bartlett Brook near Colchester	Lat 41°35'17", long 72°15'24", at bridge on Foot Road, 31/2 miles east of Colchester.	13.3	1961-64 1966-71	6-29-71	1.3
*1274	Susquetonscut Brook at Yantic	Lat 41°34'15", long 72°08'01", at bridge on State Highway 87, 1 mile northwest of Yantic.	15.4	1961-71	6-11-71	9.4
*1277	Trading Cove Brook near Thamesville	Lat 41°30'03", long 72°06'59", at culvert on Conn. Turnpike, 1 1/2 miles west of Thamesville, and 3 miles southwest of Norwich.	8.70	1961-71	7-2-71	7.0
*1277.6	Hunts Brook at Quaker Hill	Lat 41°24'04", long 72°07'16", at bridge on Old Norwich Road, at Quaker Hill.	11.3	1963-71	6-11-71	8.1

* Also a crest-stage station
b Continuous-record station, April 1962 to September 1963

Discharge measurements made at low-flow partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi.)	Period of record	Measurements Date	Measurements Discharge (cfs)
		Niantic River basin				
1277.5	Latimer Brook at East Lyme	Lat 41°22'00", long 72°12'10", at culvert on U.S. Interstate Highway 95, at East Lyme	c12.5	1962-71	8-10-71	8.1
		Fourmile River basin				
*1278	Fourmile River near East Lyme	Lat 41°21'25", long 72°15'40", at bridge on Stones Ranch Road, 2 1/2 miles west of East Lyme.	4.29	1961-71	8-11-71	.37
		Connecticut River basin				
1839.8	Freshwater Brook near Hazardville	Lat 42°00'29", long 72°32'35", at bridge on North Maple Street, 1.5 miles north of Hazardville.	4.30	1963-71	7-15-71	0.12
*1839.9	Jawbuck Brook near Hazardville	Lat 42°00'24", Long 72°33'14", at culvert on Shaker Road, 1.5 miles north of Hazardville.	2.12	1963-71	7-27-71	2.0
*1841	Stony Brook near West Suffield	Lat 41°57'38", long 72°42'39", at bridge on S. Grand Street, 2.1 miles south of West Suffield.	10.4	1960-71	7-6-71	0.73
1842.08	Philo Brook near Suffield	Lat 42°00'59", long 72°39'19", at bridge on Halliday Avenue, 2.3 miles north of Suffield.	4.10	1963-65 1967-71	7-19-71	0.73
1842.1	Clay Brook near Suffield	Lat 41°59'54", long 72°39'12", at bridge on Russel Avenue, 1.1 miles north of Suffield.	0.64	1963-71	7-19-71	0.06
1842.58	Waterworks Brook near Windsor Locks	Lat 41°54'20", long 72°38'11", at culvert on South Street, 1.6 miles south of Windsor Locks.	0.09	1967-71	7-15-71	0.30
*1842.6	Namerick Brook near Warehouse Point	Lat 41°54'13", long 72°36'47", at bridge on US Highway 5, 1.7 miles south of Warehouse Point.	2.33	1963-71	7-21-71	0.28
1842.9	Wachaug Brook near North Somers	Lat 42°01'05", long 72°28'16", at twin culverts on Wachaug Road, 1.1 miles west of North Somers.	8.40	1963-64 1966-71	7-15-71	1.0
*1845	Gillette Brook at Somers	Lat 41°59'30", long 72°26'05", at twin culverts on Battle Street, 0.7 mile northeast of Somers.	3.42	d 1961-71	7-27-71	1.1
1844	Buckhorn Brook near Melrose	Lat 41°57'03", long 72°32'22", at bridge on Abbe Road, 11/4 miles northwest of Melrose.	4.42	1961-71	7-15-71	0.91
1844.5	Broad Brook at Ellington	Lat 41°54'48", long 72°28'36", at bridge on Jobs Hill Road, 0.6 mile north of Ellington.	5.93	1963-71	7-15-71	3.0
1860.2	Still River at Winsted	Lat 41°55'07", long 73°03'30", just upstream from mouth of Mad River and 200 ft upstream from bridge on US Highway 44 at Winsted.	9.34	1969-71	7-16-71	0.58
*1881	Roaring Brook at Unionville	Lat 41°45'24", long 72°52'59", at bridge on State Highway 4 at Unionville.	7.60	1961-71	7-20-71	4.6
1893	East Branch Salmon Brook at N. Granby	Lat 42°00'02", long 72°50'03", at bridge on Silver Street, 0.4 mile north of North Granby.	13.2	1961-65 1967 1969-71	7-19-71	8.1
1894	West Branch Salmon Brook at W. Granby	Lat 41°56'28", long 72°50'06", at bridge on Simsbury Road, 1 mile south of West Granby.	16.1	1961-65 1967 1969-71	7-19-71	5.1
1900.3	Meadow Brook at Wilson	Lat 41°48'21", long 72°39'47", at footbridge 500 ft upstream from US Interstate Highway 91 at Wilson.	3.03	1963-65 1967-71	7-27-71	0.06

*Also a crest-stage station

c Effective drainage area; does not include areas above Fairy Lake, Barnes Reservoir, and Bogue Brook Reservoir

d Continuous-record station, October 1967 to September 1969.

Discharge measurements made at low-flow partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi.)	Period of record	Measurements	
					Date	Discharge (cfs)
		Connecticut River basin--Continued				
*1900.5	Podunk River Wapping	Lat 41°45'36", long 72°33'52", at bridge on Ellington Road, 1/2 mile west of Wapping.	4.18	1961-71	7-21-71	2.8
*1919	Charter Brook near Crystal Lake	Lat 41°54'22", long 72°24'15", at bridge on Browns Bridge Road, 2 miles southwest of Crystal Lake.	8.41	1961-71	7-22-71	0.71
1926.4	Cold Brook near East Glastonbury	Lat 41°39'49", long 72°32'29", at bridge on Mott Hill Road, 2.1 miles south of East Glastonbury.	5.01	1967-71	7-27-71	2.8
1926.7	Goff Brook at So. Wethersfield	Lat 41°41'21", long 72°39'32", at bridge on Maple Street, 0.4 mile west of South Wethersfield.	5.16	1963-64 1966-71	7-20-71	4.8
*1928	Parmelee Brook near Durham	Lat 41°27'08", long 72°42'08", at bridge on Sawmill Road, 2 miles southwest of Durham.	2.80	1961-71	7-7-71	0.94
*1931.2	Ponset Brook near Higganum	Lat 41°28'45", long 72°33'28", at bridge on Skinner Road, 1 1/4 miles upstream from mouth at Higganum.	5.70	1962-71	7-7-71	1.5
1931.3	Candlewood Hill Brook near Higganum	Lat 41°28'26", long 72°35'49", at bridge on Wiese Albert Road, 2 1/2 miles southwest of Higganum.	3.79	1961-66 1967-71	9-8-71	0.71
1932.1	Raymond Brook near Amston	Lat 41°38'22", long 72°20'35", at bridge on State Highway 207, 1 mile north of Amston.	3.56	1961-64 1967-71	6-29-71	.26
*1932.5	Judd Brook near Colchester	Lat 41°35'55", long 72°21'12", at bridge on Colchester Road, 2 miles northwest of Colchester.	4.66	1962-71	7-2-71	3.5
*1933	Blackledge River near Gilead	Lat 41°41'46", long 72°27'22", at bridge on State Highway 94, 3 miles west of Gilead, and 4 miles east of Buckingham.	6.89	1961-71	6-21-71	2.3
1936	Flat Brook near East Hampton	Lat 41°33'18", long 72°27'10", at culvert on State Highway 16, 3 miles southeast of East Hampton.	2.43	1961-64 1967-71	6-29-71	0.72
*1940	Eightmile River at North Plain	Lat 41°26'30", long 72°20'00", at center of span on bridge on State Highway 82 at North Plain.	18.6	e1937-71	7-7-71	4.6
		Indian River basin				
1951	Indian River near Clinton	Lat 41°18'21", long 72°31'54", at bridge on Hurd Bridge Road, 2 miles north of Clinton.	5.48	1961-64 1966-71	7-7-71	0.27
		Farm River basin				
1954	Farm River at Totoket	Lat 41°19'40", long 72°48'58", at bridge on State Highway 80, at Totoket.	13.7	1961-65 1967-71	7-7-71	4.0
		Mill River basin				
*1966	Willow Brook near Cheshire	Lat 41°27'39", long 72°55'06", at bridge on Mt. Sanford Road, at corner of Harrison Avenue, 2 1/2 miles south of Cheshire.	9.02	1961-69 1971	7-28-71	6.8
		Wepawaug River basin				
*1967	Wepawaug River at Milford	Lat 41°14'10", long 73°03'32", by bridge on Walnut Street, at Milford.	18.0	1962-71	7-16-71	0.85

* Also a crest-stage station
e Continuous-record station, May 1937 to September 1966

Discharge measurements made at low-flow partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi.)	Period of record	Measurements	
					Date	Discharge (cfs)
		Housatonic River basin				
*1991.5	Furnace Brook at Cornwall Bridge	Lat 41°49'06", long 73°22'11", at bridge on State Highway 4, 0.2 mile from mouth, at Cornwall Bridge.	13.2	1962-71	7-16-71	0.89
1933	Macedonia Brook at Kent	Lat 41°43'42", long 73°29'16", at bridge on State Highway 341, 1/2 miles west of Kent.	17.6	1959 1961-64 1966-71	7-21-71	1.7
2011	East Aspetuck River near New Milford	Lat 41°35'33", long 73°25'17", at bridge on Wells Road, 1 mile north of New Milford.	25.4	1959 1961-71	7-21-71	13
2014	Miry Brook near Ridgebury	Lat 41°22'03", long 73°29'45", at bridge on private road from Miry Brook Road to Wooster School near west end of Danbury Airport, 11/2 miles northeast of Ridgebury.	3.70	1961-61	7-8-71	0.15
*2018.9	Pond Brook near Hweleyville	Lat 41°27'22", long 73°20'07", at bridge on Pond Brock Road, 2 miles northeast of Hawleyville.	11.2	1963-71	7-8-71	1.7
2026	Bantam River near Litchfield	Lat 41°47'30", long 73°11'40", at bridge on Weed Road, 3 miles north of Litchfield.	8.35	1961-62 1964-71	7-21-71	0.20
*2027	Butternut Brook near Litchfield	Lat 41°44'35", long 73°13'14", at bridge on Ripley Road, 11/2 miles west of Litchfield.	2.39	1961-71	7-16-71	0.06
*2031	Jacks Brook near Roxbury Falls	Lat 41°31'39", long 73°18'32", at bridge on River Road, 1.2 miles north of Roxbury Falls.	7.77	1961-71	7-8-71	0.88
*2037	Wood Creek near Bethlehem	Lat 41°37'38", long 73°13'34", at bridge on State Highway 132, 11/4 miles southwest of Bethlehem.	3.37	1961-71	7-20-71	0.74
2037.5	Weekeepeemee River at Hotchkissville	Lat 41°34'35", long 73°13'35", at bridge on Paper Mill Road, 0.8 mile northwest of Hotchkissville.	15.0	1965-61	7-20-71	3.2
2038	Sprain Brook at Hotchkissville	Lat 41°34'10", long 73°13'36", at bridge on State Highway 47, 1/2 mile west of Hotchkissville.	11.3	1965-71	7-20-71	1.6
2039	Bullet Hill Brook at Southbury.	Lat 41°28'44", long 73°12'58", at bridge on US Highway 6 & 202, at Southbury.	3.19	1961-71	7-20-71	2.9
2044	Transylvania Brook at South Britain	Lat 41°28'20", long 73°15'29", at bridge on East Flat Hill Road, at mouth, 0.3 mile west of South Britain.	7.37	1965-61	7-20-71	2.6
2055.55	Hall Meadow Brook near Winchester	Lat 41°53'10", long 73°10'12", 150 feet upstream from bridge on Old State Highway 49, 11/4 miles upstream from Hall Meadow Brook Dam, 2 miles southwest of Winchester.	10.5	1965-71	7-16-71	1.1
2069.5	Northfield Brook at Thomaston	Lat 41°40'14", long 73°04'54", at Bridge Street, 1/2 mile west of Thomaston.	6.42	1961-66 1968-71	7-16-71	0.54
*2081	Hancock Brook near Terryville	Lat 41°39'40", long 73°00'12", at bridge on Waterbury Road, at corner of So. Main Street, 1.1 mile south of Terryville.	1.20	1961-71	7-20-71	0.52

* Also a crest-stage station

Discharge measurements made at low-flow partial-record stations during water year 1971

Station No.	Station Name	Location	Drainage area (sq mi.)	Period of record	Measurements	
					Date	Discharge (cfs)
		Housatonic River basin--Continued				
*2084	Hop Brook near Middlebury	Lat 41°31'25", long 73°05'38", at bridge on Shaddock Road, 11/2 miles east of Middlebury.	9.0 (rev)	1961-71	7-28-71	1.2
2086	Bladdens River near Seymour	Lat 41°23'58", long 73°03'09", at bridge on Chatfield Street, 1 mile east of Seymour.	10.1	1957 1961-69 1971	7-28-71	3.4
*2087	Little River at Oxford	Lat 41°26'03", long 73°07'03", at bridge on Governor Hill Road, at Oxford.	4.60	1961-69 1971	7-16-71	0.53
		Pequonnock River basin				
*2088.5	Pequonnock River at Trumbull	Lat 41°14'49", long 73°11'52", on upstream side of bridge on Daniels Farm Road at Trumbull, 4.6 miles north of Bridgeport.	11.4	1962-71	7-28-71	6.4
		Ash Creek basin				
2088.7	Rooster River at Bridgeport	Lat 41°10'57", long 73°13'06", at bridge on Brooklawn Avenue, 1 mile west of center of Bridgeport.	9.12	1964-65 1968-71	7-22-71	2.5
		Mill River basin				
*2089	Patterson Brook near Easton	Lat 41°17'16", long 73°17'33", at culvert on State Highway 59, 21/2 miles north of Easton.	1.20	1960-65 1967-71	7-28-71	0.28
		Saugatuck River basin				
2090.95	Aspetuck River near Easton	Lat 41°15'33", long 73°19'30", at bridge on Silver Hill Road, 1.5 miles northwest of Easton.	13.2	1964-66 1968-71	7-28-71	3.4
2093	West Branch Saugatuck River at Weston	Lat 41°11'56", long 73°23'25", at bridge on Cedar Road, 1/2 mile west of Weston.	9.20	1961-71	7-29-71	2.5
		Norwalk River basin				
2095.5	Ridgefield Brook near Ridgefield	Lat 41°18'56", long 73°28'48", at bridge on State Highway 35, 2.5 miles northeast of Ridgefield.	3.58	1964-71	7-28-71	2.1
*2096	Comstock Brook at North Wilton	Lat 41°12'45", long 73°27'31", at bridge on Nod Hill Road, at North Wilton.	3.44	1961-65 1967-71	7-28-71	0.58
		Fivemile River basin				
*2097.7	Fivemile River near Norwalk	Lat 41°06'02", long 73°27'18", at bridge on West Cedar Street, 13/4 miles west of Norwalk.	f 7.74	1962-65 1967-71	7-22-71	3.2
		Mianus River basin				
2103	East Branch Mianus River near Long Ridge	Lat 41°08'19", long 73°35'40", at bridge on Riverbank Road, 11/4 miles south of Long Ridge.	3.39	1961-66 1968-71	7-29-71	0.48
		Greenwich Creek basin				
2111	Greenwich Creek at Cos Cob	Lat 41°02'35", long 73°36'31", at bridge on Brookridge Drive, 1/2 mile northwest of Cos Cob.	4.94	1964-66 1968-61	6-29-71	1.1

* Also a crest-stage station

f Effective drainage area only; does not include area above New Canaan Reservoir

Discharge measurements made at low-flow-flow partial-record stations during water year 1971

Station No.	Station name	Location	Drainage area (sq mi.)	Period of record	Measurements	
					Date	(cfs)
		Byram River basin				
*2117	East Branch Byram River at Round Hill	Lat 41°05'56", long 73°41'00", at bridge on John Street, 0.8 mile west of Round Hill.	1.67	1961-71	7-29-71	0.96
*2121	East Branch Byram River at Riversville	Lat 41°03'56", long 73°40'00", at bridge on Riversville Road just downstream from Merritt Parkway and 3.5 miles northwest of Greenwich.	g7.46	h1961-71	7-29-71	2.1

* Also a crest-stage station
g Effective drainage area only; does not include areaabove diversion to Putnam Lake
h Continuous-record station, October 1962 to September 1969

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage indicator is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined. Each station in this table is also a low-flow partial-record station.

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mystic River basin					
1187.5	Haleys Brook near Old Mystic	Lat 41°23'20", long 71°59'11", at bridge on Colonel Ledyard Highway, 1½ miles west of Old Mystic.	4.25	1962-71	2-27-71	3.34	95
		Thames River Basin					
1192.55	Delphi Brook near Staffordville	Lat 42°01'23", long 72°14'53", at bridge on State Highway 19, 2.1 miles northeast of Staffordville.	2.48	1964-71	2-27-71	1.37	22
1193	Roaring Brook near Staffordville	Lat 41°59'05", long 72°13'48", at abandoned bridge beside Bradway Road, 1.7 miles east of Staffordville.	5.47	1961-71	2-27-71	2.38	58
1193.6	Conat Brook at West Willington	Lat 41°52'17", long 72°17'31", at bridge on Sharps Hill Road, 0.5 mile southeast of West Willington	2.21	1964-71	5-14-71	2.33	31
1198.2	Skungamaug River at North Coventry	Lat 41°47'32", long 72°21'20", at bridge on State Highway 31, 1.0 mile southeast of North Coventry.	23.5	1962-71	2-27-71	1.92	300
1213	Fenton River at East Willington	Lat 41°52'20", long 72°14'31", at bridge on U.S. Highway 44, at East Willington.	11.5	1964-71	2-27-71	3.38	250
1226.8	Merrick Brook near Scotland	Lat 41°43'44", long 72°05'08", by Brook Road, 2.1 miles north of Scotland.	5.04	1964-71	2-14-71	2.86	200
1253	English Neighborhood Brook at North Woodstock	Lat 41°59'27", long 71°59'51", at bridge on State Highway 93, at North Woodstock.	4.99	1962-71	2-27-71	2.29	68
1256	Mashamoquet Brook at Abington	Lat 41°52'27", long 72°00'35", at bridge on Taft Pond Road, 1 mile north of Abington.	11.0	1963-71	2-14-71	3.04	175
1256.5	Wappaquia Brook near Pomfret	Lat 41°51'57", long 71°57'30", at bridge on Day Road, 2 miles south of Pomfret.	4.28	1964-71	2-14-71	2.62	95
1259	Cady Brook at East Putnam	Lat 41°54'32", long 71°49'11", at bridge on E. Putnam Rd., 1/3 mile south of E. Putnam.	8.02	1964-71	3-20-71	2.34	73
1267	Kitt Brook near Canterbury	Lat 41°40'50", long 71°58'42", at bridge on Mudhole (Elmdale) Road, 1½ miles south of Canterbury.	11.1	1964-71	6-9-71	2.57	170
1271	Broad Brook near Preston City	Lat 41°33'14", long 71°58'15", at bridge on State Highway 164, 1.8 miles north of Preston City.	12.7	1961-71	5-16-71	2.41	210
1274	Susquetonscut Brook at Yantic	Lat 41°34'15", long 72°08'08", at bridge on State Highway 87, 1 mile northeast of Yantic.	15.4	1962-71	5-16-71	2.86	170
1277	Trading Cove Brook near Thamesville	Lat 41°30'03", long 72°06'59", at culvert on Conn. Turnpike, 1½ miles west of Thamesville and 3 miles southwest of Norwich.	8.70	1961-71	5-16-71	--	e)120
1277.6	Hunts Brook at Quaker Hill	Lat 41°24'04", long 72°07'16", at bridge on Old Norwich Road, at Quaker Hill.	11.3	1964-71	2-14-71	2.35	120
		Fourmile River basin					
1278	Fourmile River near East Lyme	Lat 41°21'25", long 72°15'40", at bridge on Stones Ranch Road, 2½ miles west of East Lyme.	2.12	1962-71	2-14-71	2.70	86

e) Estimated

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Connecticut River basin							
1839.9	Jawbuck Brook near Hazardville	Lat 42°00'29", long 72°32'35", at bridge on North Maple Street, 1.5 miles north of Hazardville.	2.12	1968-71	9-13-71	2.30	30
1841	Stony Brook near West Suffield	Lat 41°57'38", long 72°42'39", at bridge on South Grand Street, 2.1 miles south of West Suffield.	10.4	1960-68 #1969 1970-71	5-14-71	2.28	180
1842.6	Namerick Brook near Warehouse Point	Lat 41°54'13", long 72°36'47", at bridge on U.S. Highway 5, 1.7 miles south of Warehouse Point.	1.84	1964-71	2-27-71	2.73	74
1843	Gillette Brook at Somers	Lat 41°59'30", long 72°26'05", at twin culverts on Battle Street, 0.7 mile northeast of Somers	3.42	a)1960-67 #1968-69 1970-71	5-14-71	2.67	51
1881	Roaring Brook at Unionville	Lat 41°45'24", long 72°52'59", at bridge on State Highway 4, at Unionville	7.68	1962-68 1971	8-28-71	1.72	200
1900.5	Podunk River at Wapping	Lat 41°49'36", long 72°33'52", at bridge on Ellington Road, ½ mile west of Wapping.	4.18	1962-71	2-27-71	3.28	57
1919	Charter Brook near Crystal Lake	Lat 41°54'22", long 72°24'15", at bridge on Browns Bridge Road, 2 miles southwest of Crystal Lake.	8.41	1965-71	3-16-71	1.81	68
1928	Parmelee Brook near Durham	Lat 41°27'08", long 72°42'08", at bridge on Saw Mill Road, 2 miles southwest of Durham.	2.80	1960-71	9-12-71	4.6	290
1931.2	Ponset Brook near Higganum	Lat 41°28'45", long 72°33'28", at bridge on Skinner Road, 1½ miles upstream from mouth, at Higganum.	5.70	1962-71	2-14-71	2.40	100
1932.5	Judd Brook near Colchester	Lat 41°35'55", long 72°21'12", at bridge on Colchester Road, 2 miles northwest of Colchester.	4.66	1962-71	9-12-71	2.66	50
1933	Blackledge River near Gilead	Lat 41°41'46", long 72°27'22", at box culverts on State Highway 94,3 miles west of Gilead, and 4 miles east of Buckingham.	6.89	1961-71	2-14-71 9-12-71	2.81	100
Mill River basin							
1966	Willow Brook near Cheshire	Lat 41°27'35", long 72°55'06", at bridge on Mount Sanford Road, at corner of Harrison Avenue, 2½ miles south of Cheshire.	9.02	1960-71	9-14-71	3.60	190
Wepawaug River basin							
1967	Wepawaug River at Milford	Lat 41°14'19", long 73°03'32", by bridge on Walnut Street, at Milford.	18.0	1962-71	9-14-71	4.07	380
Housatonic River basin							
1991.5	Furnace Brook at Cornwall Bridge	Lat 41°49'08", long 73°22'11", at bridge on State Highway 4, 0.2 mile from mouth.	13.2	1962-71	9-14-71	1.96	125
2018.9	Pond Brook near Hawleyville	Lat 41°27'22", long 73°20'07", at bridge on Pond Brook Road, 2 miles northeast of Hawleyville.	11.2	1963-71	9-14-71	4.06	600
2027	Butternut Brook near Litchfield	Lat 41°44'35", long 73°13'14", at bridge on Ripley Road, 1½ miles west of Litchfield.	2.39	1961-71	9-14-71	2.95	105
2031	Jacks Brook near Roxbury Falls	Lat 41°31'39", long 73°18'32", at bridge on River Road, 1.2 miles north of Roxbury Falls.	7.77	1961-71	9-14-71	4.36	720
2037	Wood Creek near Bethlehem	Lat 41°37'38", long 73°13'34", at bridge on State Highway 132, 1½ miles southwest of Bethlehem.	3.37	1962-71	9-14-71	2.73	105
2081	Hancock Brook near Terryville	Lat 41°39'40", long 73°00'12", at bridge on Waterbury Road, at corner of South Main Street, 1.1 miles south of Terryville.	1.20	1962-71	8-28-71	2.69	62
2084	Hop Brook near Middlebury	Lat 41°31'25", long 73°05'38", at bridge on Shaddock Road, 1½ miles east of Middlebury.	10.2	1962-71	8-28-71	3.96	580

a) Continuous record station, October 1967, September 1969

Annual Maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (cfs)
Housatonic River basin							
2087	Little River at Oxford	Lat 41°26'03", long 73°07'03", at bridge on Governor Hill Road, at Oxford.	4.60	1960-71	9-14-71	4.37	260
2088.5	Poquonock River at Trumbull	Lat 41°14'49", long 73°11'52", at bridge on Daniels Farm Road at Trumbull.	c 11.4	1962-64 #1965-66 1967-71	9-14-71	4.96	640
Mill River basin							
2089	Patterson Brook near Easton	Lat 41°17'16", long 73°17'33", at culvert on State Highway 59, 2½ miles north of Easton.	1.20	1960-71	9-14-71	---	e) 70
Norwalk River basin							
2096	Comstock Brook at North Wilton	Lat 41°12'45", long 73°27'31", at bridge on Mod Hill Road, at North Wilton.	3.44	1960-71	9-14-71	3.91	250
Fivemile River basin							
2097.7	Fivemile River near Norwalk	Lat 41°06'02", long 73°27'18", at bridge on West Cedar Street, 1 3/4 miles west of Norwalk.	8.64	1962-71	9-14-71	4.27	390
Byram River basin							
2117	East Branch Byram River at Round Hill	Lat 41°05'56", long 73°41'00", at bridge on John Street, 0.8 mile west of Round Hill.	1.67	1960-71	9-14-71	3.47	160
2121	East Branch Byram River at Riversville	Lat 41°03'39", long 73°40'31", at bridge on Riversville Road just downstream from Merritt Parkway, 0.2 mile upstream from mouth.	11.2	#1963-69 1970-71	9-14-71	6.73	1040

c. Effective drainage area does not include 3.8 sq mi from which entire flow was diverted into Eastern Reservoir.
e. Estimated.
#. Operated as a continuous-record station.

PART 2. WATER-QUALITY RECORDS

THAMES RIVER BASIN

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CONN.

LOCATION.--Lat 41°42'01", long 72°10'57", Windham County, at gaging station on right bank at downstream side of Bingham Bridge on Plains Road, 500 ft upstream from Pennsylvania Central Company railroad bridge, 500 ft downstream from Potash Brook, 1.3 miles downstream from confluence of Willimantic and Natchaug Rivers, 1.5 miles southeast of Willimantic, and 17 miles upstream from mouth.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
OCT.												
01...	1040	107	--	--	--	--	--	--	--	--	--	--
02...	1645	107	--	--	--	--	--	--	--	--	--	--
12...	1315	--	--	9.5	2.1	--	--	26	0	26	17	--
A12...	1315	84	--	--	--	--	--	--	--	--	--	--
NOV.												
09...	1425	--	--	9.0	2.1	--	--	24	0	20	20	--
A09...	1425	197	--	--	--	--	--	--	--	--	--	--
DEC.												
07...	1410	--	--	8.2	2.4	--	--	12	0	17	15	--
A07...	1410	367	--	--	--	--	--	--	--	--	--	--
JAN.												
11...	1420	--	--	10	2.2	--	--	23	0	18	10	--
A11...	1420	302	--	--	--	--	--	--	--	--	--	--
FEB.												
08...	1515	--	--	8.0	2.3	--	--	17	0	18	29	--
A08...	1515	282	--	--	--	--	--	--	--	--	--	--
MAR.												
08...	1305	--	--	5.0	1.5	--	--	9	0	11	13	--
A08...	1305	2400	--	--	--	--	--	--	--	--	--	--
APR.												
12...	1400	--	6.2	5.0	1.4	--	--	9	0	12	12	.1
A12...	1400	1030	--	--	--	--	--	--	--	--	--	--
MAY												
10...	1255	--	4.8	6.0	1.4	--	--	12	0	12	11	--
A10...	1255	1050	--	--	--	--	--	--	--	--	--	--
JUNE												
07...	1315	--	--	6.0	1.5	--	--	14	0	13	13	--
A07...	1315	500	--	--	--	--	--	--	--	--	--	--
JULY												
12...	1322	--	6.2	8.0	2.4	14	3.5	20	0	20	10	.2
A12...	1322	100	--	--	--	--	--	--	--	--	--	--
AUG.												
16...	1330	--	5.4	12	2.0	17	2.2	22	0	25	17	.3
A16...	1330	96	--	--	--	--	--	--	--	--	--	--
SEP.												
13...	1450	--	5.1	6.5	1.9	6.9	2.0	16	0	13	11	.1
A13...	1450	1840	--	--	--	--	--	--	--	--	--	--

THAMES RIVER BASIN

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CONN.--Continued

DRAINAGE AREA.--401 sq mi.

PERIOD OF RECORD.--Chemical analysis: October 1956 to September 1957, June 1968 to September 1971.
Water temperatures: October 1956 to September 1957.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1956-57 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)
OCT.											
01...	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--
12...	--	2.0	--	--	--	32	10	21	170	7.0	--
A12...	--	--	--	--	--	--	--	--	192	6.9	--
NOV.											
09...	--	1.4	--	--	--	31	12	20	165	6.7	--
A09...	--	--	--	--	--	--	--	--	175	7.7	--
DEC.											
07...	--	.60	--	--	--	30	20	10	122	6.7	--
A07...	--	--	--	--	--	--	--	--	148	6.8	--
JAN.											
11...	--	.70	--	--	--	34	15	19	135	6.6	--
A11...	--	--	--	--	--	--	--	--	141	6.9	--
FEB.											
09...	--	.65	--	--	--	30	16	14	180	6.6	--
A09...	--	--	--	--	--	--	--	--	205	7.4	--
MAR.											
09...	--	.18	--	--	--	18	11	7	90	6.7	--
A09...	--	--	--	--	--	--	--	--	100	7.1	--
APR.											
12...	1.3	.28	--	--	--	18	11	7	85	6.7	--
A12...	--	--	--	--	--	--	--	--	92	6.7	--
MAY											
13...	1.0	.29	60	--	.08	21	11	10	92	6.7	--
A13...	--	--	--	--	--	--	--	--	89	7.2	--
JUNE											
07...	--	.66	--	--	--	21	10	11	102	6.5	1
A07...	--	--	--	--	--	--	--	--	108	6.6	--
JULY											
12...	3.5	1.6	--	89	.12	30	13	16	154	7.0	1
A12...	--	--	--	--	--	--	--	--	155	7.2	--
AUG.											
16...	8.4	1.3	--	102	.14	38	20	18	164	6.9	1
A16...	--	--	--	--	--	--	--	--	158	7.5	--
SEP.											
13...	1.3	.15	--	56	.08	24	11	13	94	6.9	0
A13...	--	--	--	--	--	--	--	--	92	5.9	--

01122500 SHETUCKET RIVER NEAR WILLIMANTIC, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TUR-BID-ITY (MG/L)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.											
01...	--	16.0	20.0	--	--	--	--	--	--	--	--
02...	--	16.5	15.0	--	--	--	--	--	--	--	--
12...	1	--	--	--	--	--	--	--	--	--	--
A12...	--	18.0	18.5	8.6	91	--	84000	45000	14000	--	--
NOV.											
09...	1	--	--	--	--	--	--	--	--	--	--
A09...	--	8.0	12.0	10.4	88	--	210000	6000	20000	--	--
DEC.											
07...	3	--	--	--	--	--	--	--	--	--	--
A07...	--	2.0	2.5	8.2	59	--	92000	12000	20000	--	--
JAN.											
11...	1	--	--	--	--	--	--	--	--	--	--
A11...	--	1.5	2.5	11.3	80	--	500000	--	41000	--	--
FEB.											
08...	3	--	--	--	--	--	--	--	--	--	--
A08...	--	2.0	1.7	10.5	76	--	130000	--	26000	--	--
MAR.											
08...	0	--	--	--	--	--	--	--	--	--	--
A08...	--	3.0	3.5	9.5	70	--	15000	3100	2400	--	--
APR.											
12...	2	--	--	--	--	--	--	--	--	--	--
A12...	--	11.0	21.0	8.0	72	--	21000	5800	3700	--	--
MAY											
10...	1	--	--	--	--	--	--	--	--	--	--
A10...	--	11.0	15.0	9.8	88	--	4000	270	200	--	--
JUNE											
07...	2	--	--	--	--	13	--	--	--	--	--
A07...	--	21.0	31.0	7.7	86	--	1100	50	98	--	--
JULY											
12...	2	--	--	--	--	--	--	--	--	47	1.1
A12...	--	27.5	23.5	9.8	122	--	100000	8800	1400	--	--
AUG.											
16...	1	--	--	--	--	--	--	--	--	47	1.2
A16...	--	25.0	24.5	9.0	107	--	3600	80	190	--	--
SEP.											
13...	4	--	--	--	--	--	--	--	--	36	.6
A13...	--	23.0	24.0	7.5	86	--	120000	670	12000	--	--

01124000 QUINEBAUG RIVER AT QUINEBAUG, CONN.

LOCATION.--Lat 42°01'20", long 71°57'22", Windham County, on right bank at Quinebaug, 500 ft upstream from bridge on State Highway 197, 0.2 mile downstream from Massachusetts-Connecticut State line. Multiple-parameter monitor on right bank 50 upstream from bridge on Massachusetts State Highway 131, 0.2 mile upstream from State line, 0.4 mile upstream from gaging station, and 2.0 miles southwest of Dudley, Mass.

DRAINAGE AREA.--157 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1959 to September 1960, October 1968 to September 1971.
Water temperatures: October 1959 to September 1960, October 1968 to September 1971.

EXTREMES.--1970-71:
Specific conductance: Maximum, 381 micromhos Feb. 7; minimum, 87 micromhos Apr. 6.
pH: Maximum, 9.0 July 13, 16; minimum, 5.9 June 7, Aug. 4, 19.
Dissolved oxygen: Maximum recorded, 15.5 mg/l Feb. 3; minimum, 1.0 mg/l Aug. 2 3, Sept. 10.
Water temperatures: Maximum, 30.5°C July 8; minimum, freezing point on many days during winter period.

Period of record:
Specific conductance: Maximum recorded, 393 micromhos Sept. 24, 1970; minimum observed, 49 micromhos Apr. 2, 1960.
pH (1968-71): Maximum, 9.0 July 13, 16, 1971; minimum, 4.9 July 18, 1970.
Dissolved oxygen (1968-71): Maximum, 15.5 mg/l Feb. 3, 1971; minimum, 0.4 mg/l Aug. 28, 1970.
Water temperatures: Maximum recorded, 32.5°C July 29, 1970; minimum, freezing point on many days during winter periods.

REMARKS.--Records of hourly water-quality values are available at the New England district office. Miscellaneous samples of chemical data published for water year 1962. pH probe not operating Oct. 1 to Nov. 5.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	176	170	172	162	157	158	158	145	151	152	144	148
2	178	170	174	152	150	151	159	155	157	146	142	144
3	188	155	170	147	143	145	162	150	155	166	143	152
4	165	157	163	154	143	148	149	127	139	166	148	155
5	169	155	160	163	152	158	148	135	144	244	150	191
6	157	142	150	164	156	159	148	137	141	244	194	214
7	153	146	150	168	156	162	154	145	149	221	199	209
8	151	143	146	166	159	162	157	150	153	196	167	185
9	156	140	148	166	156	161	158	138	150	185	175	178
10	153	143	146	170	159	164	163	141	148	177	158	168
11	143	133	138	167	152	161	142	136	139	172	153	161
12	140	133	136	164	145	158	138	136	137	159	148	153
13	149	138	142	177	159	170	141	135	138	159	151	154
14	151	144	148	178	159	171	138	135	136	159	147	152
15	---	---	---	---	---	---	142	138	139	155	148	152
16	---	---	---	---	---	---	174	144	162	163	155	158
17	---	---	---	---	---	---	168	150	154	162	155	157
18	---	---	---	142	139	141	163	148	154	166	155	158
19	---	---	---	145	137	141	169	143	156	169	162	166
20	---	---	---	141	129	137	170	145	159	173	156	166
21	125	120	122	137	122	131	164	156	160	165	150	162
22	125	118	123	141	134	138	184	155	164	172	163	167
23	134	119	125	142	138	139	202	165	182	169	155	166
24	136	116	126	147	140	143	171	160	167	174	167	170
25	152	127	141	142	126	133	---	---	---	178	147	165
26	157	148	151	133	126	129	---	---	---	172	148	156
27	165	154	160	128	125	127	---	---	---	---	---	---
28	168	150	159	129	124	126	---	---	---	---	---	---
29	160	152	155	131	124	127	181	150	165	---	---	---
30	163	157	159	144	131	136	168	155	159	---	---	---
31	164	159	161	---	---	---	159	145	152	---	---	---
MONTH	188	116	149	178	122	147	202	127	152	244	142	165

01124000 QUINEBAUG RIVER AT QUINEBAUG, CONN.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	156	150	152	115	109	111	134	123	128
2	---	---	---	159	150	155	116	108	111	124	118	121
3	171	142	149	140	137	138	109	97	102	120	115	118
4	152	146	148	167	123	143	99	92	95	126	116	120
5	150	142	146	164	142	149	94	91	92	128	115	121
6	204	143	174	157	143	148	95	87	91	115	111	114
7	301	190	248	158	149	150	110	96	104	118	111	114
8	207	183	194	163	152	156	105	98	101	119	108	112
9	186	177	180	164	153	159	103	95	100	111	108	110
10	238	195	203	161	152	157	103	98	100	126	108	116
11	220	183	201	164	156	161	102	99	100	126	121	123
12	188	169	176	187	159	171	101	96	99	---	---	---
13	201	157	176	176	158	164	101	98	99	---	---	---
14	178	162	168	166	160	163	104	96	99	---	---	---
15	168	158	162	168	155	164	108	100	105	---	---	---
16	167	157	161	174	160	166	124	109	113	---	---	---
17	165	148	150	140	134	138	129	119	121	---	---	---
18	145	139	142	140	131	135	122	118	120	112	106	109
19	178	138	156	131	121	124	124	110	118	114	108	112
20	177	157	165	142	119	130	119	114	116	117	111	114
21	177	166	172	131	120	125	119	112	116	123	115	119
22	176	170	172	131	124	127	118	113	116	121	115	118
23	---	---	---	129	124	127	119	114	117	118	114	116
24	194	162	176	135	119	128	122	114	118	127	116	121
25	183	163	172	131	116	123	121	115	118	130	123	127
26	176	164	168	133	124	125	124	115	119	132	127	130
27	172	166	168	133	124	128	124	119	121	135	130	134
28	176	156	168	128	119	123	125	119	122	139	135	137
29	---	---	---	126	114	119	122	117	120	140	134	137
30	---	---	---	124	116	119	132	120	126	138	134	136
31	---	---	---	121	111	116	---	---	---	137	133	135
MONTH	301	138	173	187	111	142	132	87	110	140	106	122

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	144	133	138	176	162	166	207	180	191	172	161	166
2	147	140	142	168	151	163	210	183	192	176	163	170
3	145	133	139	166	147	156	229	204	215	184	169	176
4	136	125	130	184	160	167	230	182	203	190	178	181
5	137	129	134	168	155	158	199	165	184	185	178	182
6	128	119	123	161	153	157	167	156	162	184	177	180
7	135	119	123	169	155	162	151	131	145	191	177	182
8	133	125	128	165	149	156	132	121	127	204	185	195
9	133	122	128	172	160	166	130	121	125	213	190	208
10	136	120	126	177	167	172	146	130	137	230	215	223
11	125	118	122	175	167	170	146	123	141	247	227	239
12	127	120	122	180	167	173	144	122	137	232	88	150
13	123	118	121	179	173	175	142	134	138	182	132	161
14	128	121	124	182	172	178	143	136	138	174	129	160
15	148	125	137	186	178	181	141	135	138	152	130	140
16	150	144	148	193	183	186	191	136	163	151	145	147
17	159	145	152	194	182	190	190	140	169	151	144	147
18	161	151	156	193	182	190	197	155	176	156	149	153
19	157	148	154	187	180	184	183	155	176	152	145	149
20	169	146	160	191	186	189	181	168	175	165	147	155
21	159	146	151	194	186	189	193	178	184	180	165	171
22	156	145	150	197	186	191	187	174	181	180	163	168
23	163	148	153	191	178	185	194	173	182	183	170	178
24	168	154	161	199	186	189	189	176	180	185	178	181
25	174	158	165	192	182	185	289	270	278	187	179	183
26	163	155	159	197	183	189	330	270	297	185	180	183
27	176	150	160	203	181	195	293	178	209	189	181	185
28	174	161	167	243	190	203	189	178	180	191	179	186
29	179	156	168	214	199	207	---	---	---	191	179	183
30	180	171	175	205	187	197	161	155	157	207	185	195
31	---	---	---	210	181	198	167	155	160	---	---	---
MONTH	180	118	143	243	147	188	330	121	173	247	88	176
YEAR	301	87	153									

01124000 QUINEBAUG RIVER AT QUINEBAUG, CONN.--Continued

pH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	7.1	6.7	6.9	6.9	6.8	6.9
2	---	---	---	---	---	---	7.1	6.8	6.9	6.9	6.8	6.8
3	---	---	---	---	---	---	7.0	6.8	6.9	6.9	6.7	6.8
4	---	---	---	---	---	---	6.9	6.8	6.9	6.8	6.7	6.8
5	---	---	---	---	---	---	7.0	6.9	6.9	6.8	6.7	6.8
6	---	---	---	6.9	6.7	6.8	7.0	6.9	6.9	6.8	6.7	6.8
7	---	---	---	7.0	6.7	6.8	7.0	6.8	6.9	6.8	6.7	6.7
8	---	---	---	6.9	6.7	6.8	7.0	6.8	6.9	6.7	6.5	6.6
9	---	---	---	6.8	6.7	6.7	6.9	6.8	6.9	6.8	6.6	6.7
10	---	---	---	6.8	6.7	6.7	6.9	6.7	6.8	6.8	6.7	6.7
11	---	---	---	6.7	6.7	6.7	6.8	6.7	6.8	6.8	6.6	6.7
12	---	---	---	6.8	6.6	6.7	6.8	6.6	6.7	6.8	6.6	6.7
13	---	---	---	6.8	6.7	6.7	6.8	6.7	6.8	6.8	6.7	6.8
14	---	---	---	7.0	6.7	6.8	6.8	6.5	6.7	6.8	6.7	6.7
15	---	---	---	---	---	---	6.7	6.5	6.6	6.8	6.7	6.7
16	---	---	---	---	---	---	7.0	6.6	6.8	6.8	6.7	6.7
17	---	---	---	---	---	---	6.9	6.5	6.7	6.8	6.6	6.7
18	---	---	---	6.8	6.7	6.8	6.8	6.7	6.7	6.7	6.5	6.6
19	---	---	---	6.8	6.7	6.7	6.9	6.7	6.8	6.7	6.5	6.6
20	---	---	---	6.7	6.6	6.7	6.9	6.8	6.8	7.0	6.7	6.9
21	---	---	---	6.7	6.6	6.6	6.9	6.6	6.8	6.9	6.8	6.9
22	---	---	---	6.7	6.6	6.7	6.7	6.5	6.6	6.8	6.7	6.7
23	---	---	---	6.7	6.6	6.6	6.8	6.5	6.7	---	---	---
24	---	---	---	6.8	6.6	6.6	6.8	6.6	6.7	---	---	---
25	---	---	---	6.8	6.6	6.7	6.8	6.7	6.8	7.0	6.8	6.9
26	---	---	---	6.8	6.7	6.7	6.8	6.7	6.8	7.0	6.7	6.8
27	---	---	---	6.8	6.7	6.7	6.9	6.7	6.8	---	---	---
28	---	---	---	6.7	6.6	6.6	6.8	6.6	6.7	---	---	---
29	---	---	---	6.7	6.6	6.7	7.1	6.6	6.8	---	---	---
30	---	---	---	6.8	6.6	6.7	7.0	6.8	6.9	---	---	---
31	---	---	---	---	---	---	7.0	6.8	6.9	---	---	---
MONTH	---	---	---	---	---	---	7.1	6.5	6.8	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	6.3	6.0	6.1	6.6	6.3	6.5
2	---	---	---	---	---	---	6.5	6.1	6.3	6.6	6.3	6.5
3	7.0	6.8	6.9	---	---	---	6.3	6.2	6.3	6.6	6.3	6.5
4	7.3	7.0	7.2	6.9	6.7	6.7	6.4	6.3	6.3	---	---	---
5	7.2	7.1	7.1	6.8	6.7	6.8	6.4	6.3	6.4	---	---	---
6	7.1	7.0	7.1	6.9	6.8	6.8	6.4	6.4	6.4	---	---	---
7	7.1	6.9	7.0	6.8	6.8	6.8	6.7	6.5	6.7	---	---	---
8	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.4	6.6	---	---	---
9	6.9	6.8	6.9	6.9	6.8	6.9	6.5	6.2	6.4	---	---	---
10	7.0	6.7	6.9	6.8	6.7	6.8	6.3	6.1	6.2	---	---	---
11	6.9	6.8	6.9	6.8	6.7	6.8	6.3	6.1	6.2	---	---	---
12	7.0	6.9	6.9	6.8	6.7	6.8	6.5	6.1	6.4	---	---	---
13	7.1	6.8	6.9	6.9	6.7	6.8	6.4	6.2	6.3	---	---	---
14	6.9	6.8	6.9	6.9	6.9	6.9	6.4	6.2	6.3	---	---	---
15	7.0	6.9	6.9	6.9	6.8	6.9	6.4	6.2	6.3	---	---	---
16	6.9	6.7	6.8	6.9	6.8	6.8	6.3	6.2	6.2	---	---	---
17	6.8	6.7	6.8	6.9	6.6	6.8	6.4	6.2	6.3	---	---	---
18	6.9	6.7	6.8	7.0	6.9	6.9	6.5	6.3	6.4	6.9	6.6	6.8
19	6.9	6.7	6.8	7.0	6.8	7.0	6.8	6.4	6.5	6.9	6.4	6.6
20	6.7	6.7	6.7	7.1	6.8	6.9	6.6	6.3	6.5	6.9	6.3	6.6
21	6.8	6.7	6.7	7.1	7.0	7.0	6.7	6.3	6.5	6.7	6.4	6.6
22	6.8	6.7	6.8	7.0	6.8	6.9	6.4	6.2	6.3	6.8	6.4	6.6
23	6.8	6.7	6.7	6.8	6.6	6.7	6.4	6.3	6.3	6.9	6.5	6.7
24	6.8	6.7	6.7	6.8	6.6	6.7	6.4	6.3	6.4	6.8	6.5	6.6
25	6.8	6.7	6.8	6.8	6.7	6.7	6.5	6.3	6.3	6.9	6.4	6.7
26	6.8	6.8	6.8	6.7	6.6	6.6	6.9	6.4	6.5	6.8	6.4	6.6
27	6.9	6.8	6.8	6.7	6.6	6.6	6.6	6.3	6.4	6.7	6.5	6.6
28	6.9	6.7	6.8	6.6	6.5	6.6	6.5	6.2	6.3	6.9	6.2	6.7
29	---	---	---	6.8	6.4	6.5	6.5	6.3	6.4	7.0	6.7	6.8
30	---	---	---	6.6	6.4	6.5	6.6	6.2	6.5	6.9	6.6	6.8
31	---	---	---	6.4	6.1	6.3	---	---	---	7.0	6.8	6.9
MONTH	7.3	6.7	6.9	7.1	6.1	6.8	6.9	6.0	6.4	---	---	---

01124000 QUINEBAUG RIVER AT QUINEBAUG, CONN.--Continued

pH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.2	6.8	6.9	6.7	6.0	6.2	6.4	6.2	6.3	6.3	6.2	6.3
2	7.0	6.6	6.8	6.4	6.1	6.2	6.3	6.2	6.2	6.3	6.1	6.2
3	6.7	6.4	6.6	6.6	6.1	6.3	6.2	6.1	6.2	6.3	6.1	6.2
4	6.8	6.4	6.6	6.7	6.3	6.4	6.3	5.9	6.1	6.5	6.1	6.3
5	6.7	6.3	6.6	6.9	6.3	6.5	6.6	6.2	6.4	6.7	6.3	6.4
6	6.6	6.1	6.4	7.9	6.4	6.8	6.4	6.2	6.3	6.5	6.3	6.3
7	6.4	5.9	6.3	7.8	6.4	6.9	6.5	6.2	6.3	6.5	6.2	6.3
8	6.4	6.3	6.4	8.4	6.2	6.5	6.5	6.2	6.4	6.6	6.2	6.4
9	---	---	---	8.3	6.3	7.0	6.5	6.2	6.3	7.1	6.5	6.7
10	---	---	---	8.6	6.4	7.2	6.4	6.2	6.3	7.4	6.6	6.7
11	---	---	---	8.1	6.5	7.0	6.6	6.3	6.4	7.0	6.6	6.7
12	---	---	---	8.3	6.5	7.1	6.5	6.1	6.3	6.9	6.6	6.7
13	---	---	---	9.0	6.4	7.2	6.6	6.2	6.4	6.9	6.7	6.8
14	---	---	---	8.7	6.4	7.2	6.7	6.1	6.3	6.8	6.6	6.7
15	---	---	---	8.9	6.4	7.3	6.9	6.2	6.4	6.8	6.4	6.7
16	---	---	---	9.0	6.5	7.3	7.0	6.2	6.5	6.7	6.5	6.6
17	---	---	---	7.3	6.5	6.7	6.9	6.2	6.5	6.7	6.5	6.6
18	---	---	---	7.8	6.4	6.8	6.8	6.3	6.5	6.7	6.4	6.6
19	---	---	---	6.9	6.2	6.4	6.4	5.9	6.2	6.8	6.6	6.7
20	---	---	---	6.6	6.1	6.3	6.3	6.0	6.1	6.9	6.4	6.7
21	---	---	---	6.5	6.0	6.3	6.3	6.0	6.1	6.7	6.5	6.6
22	---	---	---	6.8	6.3	6.5	6.5	6.0	6.3	6.8	6.4	6.7
23	---	---	---	7.2	6.4	6.6	6.6	6.1	6.4	6.8	6.6	6.7
24	---	---	---	7.3	6.4	6.7	6.1	6.1	6.1	6.9	6.5	6.7
25	---	---	---	7.1	6.5	6.7	6.4	6.3	6.4	7.0	6.5	6.7
26	7.0	6.3	6.6	7.2	6.4	6.7	6.4	6.3	6.4	7.0	6.6	6.8
27	6.4	6.2	6.3	6.9	6.3	6.6	6.3	6.0	6.2	7.0	6.5	6.8
28	6.3	6.0	6.2	7.3	6.2	6.6	6.6	6.1	6.4	6.7	6.3	6.5
29	6.4	6.0	6.1	6.9	6.5	6.6	6.5	6.3	6.4	7.0	6.4	6.6
30	6.7	6.0	6.3	6.5	6.3	6.4	6.4	6.2	6.3	6.6	6.3	6.5
31	---	---	---	6.7	6.3	6.5	6.4	6.2	6.3	---	---	---
MONTH	---	---	---	9.0	6.0	6.7	7.0	5.9	6.3	7.4	6.1	6.6
YEAR	9.0	5.9	6.6									

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.3	4.0	4.9	9.8	8.3	8.9	11.6	11.0	11.3	13.5	13.1	13.3
2	6.6	4.2	5.1	9.5	8.3	8.7	11.6	10.7	11.1	13.6	13.3	13.4
3	6.0	4.2	4.8	9.5	8.1	8.7	11.7	11.0	11.3	13.6	13.3	13.5
4	7.4	4.8	6.1	8.6	7.5	8.1	11.4	11.0	11.2	13.7	13.1	13.4
5	7.6	5.4	6.3	8.8	7.6	8.1	12.6	11.6	12.2	13.0	12.7	12.9
6	---	---	---	9.7	8.2	8.8	12.8	12.3	12.6	---	---	---
7	---	---	---	10.4	9.1	9.6	13.3	12.8	13.0	14.3	13.3	13.6
8	---	---	---	10.8	9.3	9.9	13.5	13.1	13.2	13.7	13.1	13.4
9	---	---	---	11.1	9.5	10.1	13.4	12.8	13.0	13.8	13.3	13.5
10	---	---	---	10.1	8.9	9.5	13.3	12.8	13.0	13.7	13.3	13.5
11	---	---	---	9.3	8.4	8.9	13.5	12.9	13.2	13.9	13.4	13.7
12	---	---	---	9.2	8.3	8.7	13.5	12.9	13.2	13.9	13.4	13.7
13	---	---	---	8.9	8.4	8.6	13.7	13.2	13.4	14.4	13.8	14.1
14	---	---	---	9.8	8.9	9.2	13.7	13.2	13.4	13.9	13.5	13.8
15	7.4	6.3	7.0	---	---	---	13.6	13.0	13.3	13.9	13.5	13.7
16	8.2	7.0	7.7	---	---	---	13.7	13.0	13.2	14.0	13.4	13.8
17	9.2	8.1	8.7	---	---	---	13.0	12.6	12.8	14.2	13.6	13.9
18	9.7	9.0	9.3	11.2	11.1	11.2	13.1	12.3	12.7	13.7	13.4	13.6
19	9.7	9.0	9.3	11.1	10.7	10.9	12.6	10.7	11.9	13.5	13.4	13.4
20	9.8	9.2	9.4	10.8	10.1	10.4	---	---	---	---	---	---
21	9.5	8.6	9.1	10.7	10.1	10.4	---	---	---	13.3	12.6	13.1
22	8.9	7.9	8.4	11.4	10.5	11.0	---	---	---	12.9	12.3	12.5
23	8.1	7.4	7.7	11.0	10.4	10.6	---	---	---	---	---	---
24	7.9	6.6	7.3	11.6	10.9	11.2	---	---	---	---	---	---
25	8.5	6.8	7.6	12.2	11.5	12.0	13.6	13.2	13.3	13.5	13.0	13.2
26	8.5	7.5	8.0	12.6	12.0	12.2	13.5	13.0	13.2	13.0	12.4	12.7
27	9.1	7.7	8.4	12.3	11.9	12.1	13.3	13.0	13.1	---	---	---
28	9.4	7.9	8.5	12.1	11.9	11.9	13.3	12.8	13.1	---	---	---
29	9.3	8.1	8.7	11.8	11.4	11.6	13.1	12.6	13.0	---	---	---
30	9.7	8.3	8.9	11.9	11.0	11.4	13.4	13.0	13.2	---	---	---
31	9.6	8.4	8.9	---	---	---	13.5	13.2	13.3	---	---	---
MONTH	---	---	---	12.6	7.5	10.1	13.7	10.7	12.7	---	---	---

01124000 QUINEBAUG RIVER AT QUINEBAUG, CONN.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	13.3	12.1	12.7	11.5	10.1	10.8
2	---	---	---	---	---	---	12.8	11.5	12.7	11.1	10.1	10.6
3	15.5	13.9	15.1	---	---	---	12.5	11.5	12.0	10.7	10.0	10.3
4	15.3	14.9	15.1	14.2	13.1	13.8	12.8	11.9	12.3	10.9	10.0	10.5
5	14.7	14.0	14.3	14.5	14.2	14.3	12.7	12.1	12.3	11.1	9.6	10.4
6	14.6	13.5	14.1	14.6	14.1	14.3	12.7	12.0	12.3	10.4	9.3	9.7
7	14.8	14.0	14.4	14.2	13.8	14.0	12.6	12.0	12.3	11.0	9.4	10.2
8	14.4	13.6	14.0	14.2	13.8	14.0	12.7	11.9	12.3	10.6	9.4	10.0
9	13.8	13.1	13.5	14.4	13.9	14.1	12.7	11.7	12.2	10.4	9.7	10.1
10	14.3	12.5	13.8	14.4	13.7	14.1	12.1	11.4	11.8	11.1	10.2	10.6
11	14.6	13.9	14.2	14.0	13.7	13.9	12.2	11.4	11.8	10.8	10.2	10.5
12	14.3	13.6	13.9	14.1	13.3	13.7	12.0	10.8	11.4	---	---	---
13	14.0	13.3	13.6	13.9	13.3	13.6	11.5	10.4	11.0	---	---	---
14	13.9	13.2	13.6	13.8	13.3	13.5	11.0	10.4	10.7	---	---	---
15	14.1	13.7	13.9	13.6	12.7	13.2	11.6	10.6	11.1	---	---	---
16	14.3	13.7	13.9	13.4	12.7	13.1	11.2	10.7	10.9	---	---	---
17	14.3	13.6	14.0	13.6	13.2	13.4	11.9	10.7	11.3	---	---	---
18	13.9	13.4	13.6	14.0	13.3	13.7	11.7	10.8	11.2	9.5	8.3	8.8
19	13.8	13.3	13.5	13.9	13.4	13.7	11.5	10.3	11.0	9.4	8.2	8.8
20	13.6	13.3	13.4	13.6	13.1	13.3	11.5	10.0	10.8	9.2	8.1	8.6
21	13.8	13.3	13.5	13.4	13.2	13.3	11.2	9.8	10.5	9.1	8.3	8.6
22	13.8	13.3	13.5	13.6	12.9	13.3	11.1	9.9	10.4	9.5	8.5	8.9
23	13.3	13.1	13.2	13.3	12.7	13.0	11.1	9.9	10.4	9.9	8.7	9.3
24	13.4	12.9	13.2	13.3	12.8	13.1	11.2	9.6	10.4	10.2	8.5	9.4
25	13.5	13.1	13.3	13.8	13.1	13.5	11.3	9.5	10.5	9.2	7.8	8.6
26	13.8	13.2	13.4	13.7	13.1	13.4	11.4	10.0	10.7	8.9	7.6	8.1
27	13.5	13.0	13.3	13.6	12.7	13.2	11.3	10.1	10.6	9.0	7.7	8.3
28	13.4	13.1	13.3	13.3	12.3	12.8	11.3	10.1	10.6	9.1	7.7	8.4
29	---	---	---	12.8	12.1	12.5	11.2	10.0	10.6	9.1	7.6	8.3
30	---	---	---	13.1	12.3	12.7	11.2	10.4	10.6	9.1	7.7	8.3
31	---	---	---	13.3	12.2	12.7	---	---	---	9.2	8.1	8.5
MONTH	15.5	12.5	13.8	14.6	12.1	13.5	13.3	9.5	11.3	11.5	7.6	9.4

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.1	8.1	8.8	7.4	2.1	3.9	5.8	1.5	3.1	3.9	2.0	2.8
2	9.8	7.7	8.7	5.3	2.8	3.9	4.6	1.0	2.5	4.1	1.7	2.8
3	9.1	7.6	8.1	7.0	2.9	4.6	4.3	1.0	2.2	4.9	1.5	2.9
4	8.8	7.3	8.0	7.5	3.8	5.5	3.9	1.1	2.1	4.9	1.2	2.5
5	9.0	7.2	8.0	8.5	4.1	6.1	5.2	2.0	3.7	5.9	1.2	2.9
6	9.3	7.4	8.2	9.3	4.5	6.7	5.3	3.4	4.2	4.5	1.3	2.6
7	9.2	6.5	7.9	9.0	4.3	6.7	5.6	3.5	4.3	5.5	1.5	3.1
8	8.4	6.2	7.0	9.6	4.0	6.6	6.5	3.8	5.0	3.5	1.2	1.9
9	7.8	5.9	6.7	9.9	4.0	6.7	6.8	3.2	5.0	4.1	1.1	2.2
10	8.1	6.4	7.1	10.1	3.8	6.9	6.0	1.9	3.9	4.8	1.0	2.3
11	8.0	6.4	7.1	10.4	4.1	6.9	6.8	1.6	3.1	4.7	1.1	2.3
12	8.1	6.1	7.0	10.0	4.4	7.0	7.2	1.9	4.1	---	---	---
13	7.8	6.1	6.8	10.5	4.1	7.1	7.1	1.3	3.8	---	---	---
14	8.1	6.2	6.9	10.5	4.3	7.0	7.5	1.4	3.4	---	---	---
15	8.2	6.0	6.9	11.0	4.2	7.3	8.0	1.8	3.8	7.4	6.9	7.1
16	7.9	5.5	6.7	11.6	4.0	7.5	8.0	1.7	4.0	7.5	6.5	7.0
17	8.5	5.2	6.9	9.0	3.8	5.7	7.6	1.2	3.6	7.6	6.5	7.0
18	8.4	5.3	6.6	9.9	3.7	6.5	7.8	1.1	3.3	7.2	6.5	6.8
19	8.5	5.3	6.7	7.4	3.6	5.1	7.2	1.1	3.1	8.3	7.0	7.6
20	9.0	5.1	6.7	8.4	3.6	5.9	6.2	1.1	2.7	8.1	5.6	7.4
21	9.1	4.8	6.6	7.8	2.8	5.0	5.9	1.1	2.6	7.3	6.1	6.6
22	8.4	3.7	5.8	8.2	2.3	4.8	4.6	1.2	2.3	7.6	5.7	6.6
23	7.9	3.6	5.2	7.9	1.6	4.1	4.8	1.3	2.4	7.5	5.7	6.4
24	8.4	2.8	5.2	7.8	2.1	4.5	4.3	1.6	2.5	7.5	5.3	6.2
25	9.1	2.7	5.7	7.7	2.0	4.3	2.8	1.5	1.9	6.9	5.4	6.2
26	8.7	3.0	5.6	5.5	1.9	3.5	2.8	1.4	2.0	8.8	6.0	7.0
27	9.4	3.5	6.2	7.6	2.1	4.0	3.5	1.4	2.2	8.8	5.9	7.1
28	9.3	3.7	6.1	8.8	1.9	4.9	4.7	1.6	3.2	9.0	5.4	6.5
29	6.9	2.7	5.0	7.3	1.8	3.7	4.9	2.9	3.9	8.6	5.1	6.5
30	8.2	2.3	5.0	2.8	1.1	1.8	4.8	2.9	3.7	8.6	4.8	6.2
31	---	---	---	6.5	1.7	3.4	4.5	2.2	3.2	---	---	---
MONTH	10.1	2.3	6.8	11.6	1.1	5.4	8.0	1.0	3.2	8.8	1.0	5.0
YEAR	15.5	1.0	9.2									

01124000 QUINEBAUG RIVER AT QUINEBAUG, CONN.--Continued

TEMPERATURE(°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.0	15.5	17.5	12.0	8.0	9.5	6.5	5.0	5.5	0.5	0	0
2	18.5	15.0	16.5	10.5	8.0	9.0	7.5	5.5	6.5	1.0	0	0
3	20.0	16.0	17.5	12.0	8.5	10.0	7.0	5.5	6.0	1.0	0	0
4	18.5	15.0	16.5	12.5	10.5	11.5	7.5	5.0	6.5	0.5	0	0.5
5	18.0	13.5	15.0	12.0	10.5	11.5	4.5	3.0	3.5	2.5	1.0	1.5
6	17.5	12.0	14.5	11.0	8.5	9.5	3.0	1.5	2.0	3.0	2.0	2.5
7	20.0	14.0	16.5	11.0	7.5	9.0	1.0	0.5	1.0	2.0	0	1.0
8	21.0	16.5	18.5	10.0	7.5	8.5	1.5	0.5	1.0	1.0	0	0.5
9	22.0	18.0	19.5	9.5	6.0	7.5	2.0	1.5	1.5	1.0	0	0
10	15.5	18.0	18.5	9.0	7.0	8.0	3.0	2.0	2.5	1.0	0	0.5
11	20.5	18.0	19.0	11.0	9.0	10.0	2.5	1.5	1.5	1.5	0	0.5
12	20.0	17.0	18.5	12.0	10.5	11.0	2.0	0.5	1.5	1.5	0.5	1.0
13	22.0	18.0	20.0	11.0	10.0	11.0	0.5	0	0.5	0.5	0	0
14	22.0	19.5	20.5	11.0	10.5	10.5	1.5	0.5	0.5	0.5	0	0
15	21.0	19.5	20.0	---	---	---	2.0	0	1.0	0.5	0	0
16	19.5	15.5	17.5	---	---	---	2.0	0	0.5	0.5	0	0
17	15.5	11.0	13.0	---	---	---	2.5	0	1.0	0	0	0
18	12.0	10.0	11.0	6.0	6.0	6.0	2.5	1.0	1.5	0	0	0
19	13.0	10.5	11.5	7.5	6.0	7.0	2.5	1.0	1.5	0.5	0	0
20	12.5	9.5	10.5	9.0	7.5	8.0	3.0	2.0	2.5	0.5	0	0
21	13.0	10.0	11.5	9.5	8.0	8.5	2.0	1.5	1.5	0.5	0	0
22	14.0	12.0	13.0	7.5	6.5	7.0	1.5	1.0	1.0	0.5	0	0
23	15.5	14.0	15.0	8.0	7.5	7.5	2.0	1.0	1.5	---	---	---
24	18.0	15.5	16.5	7.5	4.5	5.5	2.0	0	1.5	---	---	---
25	16.5	14.5	15.5	4.5	3.0	3.5	0.5	0	0	1.5	0.5	1.0
26	14.5	12.5	14.0	3.0	2.5	3.0	0.5	0	0	2.0	1.0	1.5
27	12.5	10.5	12.0	4.0	3.0	3.5	0.5	0	0	---	---	---
28	12.5	9.0	10.5	4.5	3.5	4.0	0	0	0	---	---	---
29	11.5	8.5	9.5	4.5	4.0	4.5	0.5	0	0	---	---	---
30	11.5	7.5	9.0	6.0	4.5	5.0	0.5	0	0	---	---	---
31	11.5	7.5	9.0	---	---	---	1.0	0	0	---	---	---
MONTH	22.0	7.5	15.0	12.5	2.5	8.0	7.5	0	1.5	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	6.0	3.0	5.0	11.5	8.0	9.5
2	---	---	---	---	---	---	9.0	5.0	7.0	10.5	9.5	10.0
3	0	0	0	---	---	---	8.5	6.5	7.5	10.5	10.0	10.5
4	0.5	0	0	1.0	0	0.5	8.5	5.5	7.0	10.5	9.5	10.0
5	0.5	0	0	1.5	0	0.5	8.0	6.0	7.0	13.0	8.5	11.0
6	2.0	0.5	1.0	2.0	0	1.0	7.5	5.0	6.5	12.5	11.5	12.0
7	1.5	0	0.5	1.0	0.5	1.0	6.5	3.5	4.5	14.5	10.0	12.5
8	1.0	0	0.5	1.5	0	1.0	6.5	3.5	5.0	13.5	12.0	12.5
9	1.5	0.5	1.0	1.5	0	0.5	7.5	3.5	6.0	12.0	10.0	11.0
10	2.5	0	0.5	2.5	0	1.0	9.0	6.0	7.5	12.0	10.0	11.0
11	1.5	0	0.5	1.5	0.5	1.0	9.0	6.5	8.0	16.0	10.0	13.0
12	2.0	0.5	1.0	3.0	0	1.5	11.0	7.0	9.0	---	---	---
13	1.5	1.0	1.5	2.5	1.0	1.5	12.0	8.0	10.0	---	---	---
14	1.0	0	0.5	2.0	1.0	1.5	11.0	8.5	10.0	---	---	---
15	0.5	0	0.5	3.5	1.5	2.5	9.5	7.0	8.5	---	---	---
16	1.0	0	0.5	4.5	2.0	3.0	8.0	6.5	7.5	---	---	---
17	1.0	0	0.5	3.0	1.0	2.0	9.0	5.5	7.5	---	---	---
18	2.0	0.5	1.0	3.0	0.5	1.5	8.5	6.5	7.5	18.0	17.0	17.5
19	2.0	0.5	1.0	2.0	1.0	1.5	11.5	7.5	9.5	20.0	16.0	18.0
20	1.0	0.5	0.5	2.0	0.5	1.5	12.0	9.0	11.0	20.5	17.0	19.0
21	0.5	0	0.5	2.5	1.0	1.5	12.0	10.0	11.0	19.5	17.5	18.5
22	1.0	0.5	0.5	3.5	0.5	2.0	11.0	9.5	10.5	18.5	16.5	17.5
23	1.0	0.5	0.5	4.0	1.5	2.5	11.0	9.0	10.0	18.0	15.0	16.5
24	1.0	0	1.0	4.0	1.5	2.0	12.0	8.5	10.5	19.0	14.5	17.0
25	2.0	0.5	1.0	3.5	0.5	2.0	11.5	9.5	10.0	19.5	16.5	18.0
26	2.5	0	1.5	3.5	1.0	2.0	10.0	9.0	9.5	19.5	18.5	19.0
27	1.5	1.0	1.0	4.5	1.5	3.0	10.5	9.0	10.0	18.5	16.5	17.5
28	2.0	0.5	1.0	5.0	2.0	3.5	10.0	8.5	9.5	17.5	15.5	16.5
29	---	---	---	6.0	3.5	4.5	9.5	8.5	9.0	18.0	15.5	17.0
30	---	---	---	5.5	3.5	4.5	9.5	8.5	9.0	18.0	16.0	16.5
31	---	---	---	6.0	3.0	4.5	---	---	---	17.0	16.0	16.5
MONTH	2.5	0	0.5	6.0	0	2.0	12.0	3.0	8.5	20.5	8.0	14.5

01124000 QUINEBAUG RIVER AT QUINEBAUG, CONN.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.5	15.0	17.5	29.5	24.5	26.5	28.0	24.0	26.0	26.0	20.0	22.5
2	19.0	17.0	18.5	28.0	24.5	26.5	29.0	24.5	26.5	26.0	18.5	22.0
3	19.5	18.0	18.5	28.0	22.0	24.5	29.5	24.5	26.5	25.5	19.5	22.5
4	21.5	18.5	20.0	28.0	21.0	24.5	26.5	24.5	26.0	27.5	21.0	24.0
5	21.0	19.5	20.5	28.5	21.0	24.0	27.5	23.5	25.0	28.5	22.0	25.5
6	21.0	18.0	19.5	29.0	21.0	25.0	27.0	22.5	24.5	25.0	22.0	23.0
7	23.5	19.0	21.0	29.5	24.0	26.0	27.0	22.5	24.5	25.0	21.0	22.5
8	26.0	22.5	24.0	30.5	23.0	26.5	27.0	22.5	24.5	25.5	21.5	23.5
9	24.0	22.0	23.0	30.0	23.5	26.5	29.0	23.0	25.5	26.0	22.5	25.0
10	23.0	20.5	22.0	29.5	23.5	26.5	30.0	24.0	26.5	27.5	22.0	24.5
11	22.5	20.0	21.0	26.0	22.0	24.0	29.0	25.5	27.0	25.0	21.5	23.5
12	23.5	19.5	21.5	28.0	21.0	24.0	28.5	24.0	26.0	23.5	21.5	22.0
13	23.5	21.0	22.0	27.0	20.0	23.5	28.5	22.0	25.0	22.0	21.5	22.0
14	23.0	20.0	21.0	27.0	21.0	24.0	29.0	22.5	25.0	22.0	20.5	21.5
15	23.0	19.0	20.5	27.5	19.5	23.5	28.0	23.5	25.0	22.5	20.5	21.5
16	24.5	19.5	21.5	28.5	20.5	24.5	27.5	22.5	24.5	23.5	21.5	23.0
17	26.5	20.0	23.0	25.5	22.5	23.5	28.5	20.0	24.0	23.5	22.5	23.0
18	27.0	21.0	23.5	28.0	20.5	24.0	29.5	21.0	25.0	22.5	21.0	22.0
19	27.5	21.5	24.0	23.0	20.0	21.5	29.0	22.0	25.5	22.0	19.5	20.5
20	28.0	22.0	24.5	26.0	21.0	23.0	29.0	23.5	26.0	19.5	19.0	19.5
21	29.0	22.5	25.0	28.0	19.5	24.0	29.0	23.5	26.5	22.0	19.0	20.0
22	29.5	24.0	26.0	28.5	20.5	24.5	29.0	23.0	26.0	22.0	18.5	20.0
23	29.0	24.0	25.5	28.5	20.0	24.0	26.5	21.5	24.0	21.5	17.5	19.5
24	29.5	24.0	26.5	28.5	23.0	25.5	25.0	18.0	20.0	21.0	17.0	19.0
25	30.0	23.5	26.0	27.0	23.0	25.0	25.5	22.0	24.0	20.5	15.5	17.5
26	29.0	24.0	26.0	27.5	23.0	25.0	26.0	19.5	22.5	18.5	15.5	16.5
27	29.0	22.0	25.5	29.0	23.5	26.0	22.0	19.5	20.0	18.5	15.5	16.5
28	28.5	22.5	24.5	29.5	21.0	25.5	23.5	19.5	21.0	18.5	16.0	17.0
29	25.5	21.5	23.0	28.0	22.0	25.0	25.5	20.5	22.5	20.5	17.5	18.5
30	30.0	22.0	25.5	25.5	24.0	24.5	27.0	21.0	23.5	22.0	17.5	19.5
31	---	---	---	28.0	24.0	25.5	26.5	22.0	24.0	---	---	---
MONTH	30.0	15.0	22.5	30.5	19.5	24.5	30.0	18.0	24.5	28.5	15.5	21.0
YEAR	30.5	0	12.5									

01127000 QUINEBAUG RIVER AT JEWETT CITY, CONN.

LOCATION.--Lat 41°35'52", long 71°59'05", New London County, at gaging station on left bank in rear of high school on Slater Avenue at Jewett City, 570 ft downstream from outlet of canal from Wedgewood Mills at mouth of Pachaug River, 1,000 ft downstream from railroad bridge, and at mile 6.1.

DRAINAGE AREA.--711 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1956, June 1968 to September 1961.
Water temperatures: October 1955 to September 1956, October 1958 to September 1971.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
OCT.												
12...	1010	--	--	9.0	1.9	--	--	34	0	15	17	--
A12...	1010	193	--	--	--	--	--	--	--	--	--	--
NOV.												
09...	1145	--	--	8.2	1.5	--	--	22	0	13	13	--
A09...	1145	442	--	--	--	--	--	--	--	--	--	--
DEC.												
07...	1135	--	--	8.0	1.9	--	--	20	0	13	15	--
A07...	1135	870	--	--	--	--	--	--	--	--	--	--
JAN.												
11...	1140	--	--	9.1	1.6	--	--	22	0	15	17	--
A11...	1140	800	--	--	--	--	--	--	--	--	--	--
FEB.												
08...	1220	--	--	7.0	1.5	--	--	18	0	14	22	--
A08...	1220	896	--	--	--	--	--	--	--	--	--	--
MAR.												
08...	1105	--	--	5.2	1.3	--	--	10	0	11	14	--
A08...	1105	2950	--	--	--	--	--	--	--	--	--	--
APR.												
12...	1135	--	4.4	5.5	1.2	--	--	10	0	11	12	.1
A12...	1135	2320	--	--	--	--	--	--	--	--	--	--
MAY												
10...	1020	--	3.3	6.0	1.3	--	--	14	0	10	13	--
A10...	1020	1570	--	--	--	--	--	--	--	--	--	--
JUNE												
07...	1025	--	--	6.0	1.4	--	--	16	0	15	13	--
A07...	1025	980	--	--	--	--	--	--	--	--	--	--
JULY												
12...	1035	--	3.8	8.0	2.1	15	2.2	30	0	13	17	.1
A12...	1035	190	--	--	--	--	--	--	--	--	--	--
AUG.												
16...	1010	--	3.3	8.0	1.6	14	1.9	24	0	12	16	.6
A16...	1010	187	--	--	--	--	--	--	--	--	--	--
SEP.												
13...	1115	--	3.0	8.4	2.1	17	2.4	32	0	12	18	.1
A13...	1115	374	--	--	--	--	--	--	--	--	--	--

01127000 QUINEBAUG RIVER AT JEWETT CITY, CONN.--Continued

EXTREMES.--1970-71:
Water temperatures: Maximum, 29.0° C July 8; minimum, 0°C on many days during December and January.

PERIOD OF RECORD:
Water temperatures: Maximum, 29.5°C Aug. 2, 1970; minimum, freezing point on many days during winter months.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1955-56 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)
OCT.											
12...	--	1.1	--	--	--	30	2	28	158	7.4	--
A12...	--	--	--	--	--	--	--	--	174	6.7	--
NOV.											
09...	--	.90	--	--	--	26	8	18	120	6.6	--
A09...	--	--	--	--	--	--	--	--	128	6.7	--
DEC.											
07...	--	.54	--	--	--	28	12	16	130	6.8	--
A07...	--	--	--	--	--	--	--	--	189	6.6	--
JAN.											
11...	--	.52	--	--	--	29	11	18	119	6.9	--
A11...	--	--	--	--	--	--	--	--	130	6.8	--
FEB.											
08...	--	.68	--	--	--	24	8	15	142	6.5	--
A08...	--	--	--	--	--	--	--	--	160	7.3	--
MAR.											
08...	--	.17	--	--	--	18	10	8	94	6.7	--
A08...	--	--	--	--	--	--	--	--	105	7.4	--
APR.											
12...	1.3	.19	--	--	--	19	10	8	87	6.7	--
A12...	--	--	--	--	--	--	--	--	99	6.5	--
MAY											
10...	1.4	.06	66	--	.09	--	--	11	95	6.7	--
A10...	--	--	--	--	--	--	--	--	95	7.1	--
JUNE											
07...	--	.10	--	--	--	21	8	13	300	6.6	1
A07...	--	--	--	--	--	--	--	--	99	6.6	--
JULY											
12...	4.9	1.3	--	82	.11	29	4	25	144	6.9	1
A12...	--	--	--	--	--	--	--	--	142	7.4	--
AUG.											
16...	8.0	1.8	--	79	.11	27	7	20	136	6.8	1
A16...	--	--	--	--	--	--	--	--	140	6.0	--
SEP.											
13...	4.4	.61	--	84	.11	30	3	26	146	7.1	1
A13...	--	--	--	--	--	--	--	--	155	6.5	--

01124000 QUINEBAUG RIVER AT QUINEBAUG, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TUR-BID-ITY (MG/L)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.											
12...	2	--	--	--	--	--	--	--	--	--	--
A12...	--	17.0	17.5	8.5	88	--	92000	3100	1900	--	--
NOV.											
09...	1	--	--	--	--	--	--	--	--	--	--
A09...	--	9.0	12.2	10.3	87	--	110000	4300	13000	--	--
DEC.											
07...	1	--	--	--	--	--	--	--	--	--	--
A07...	--	.0	-2.0	10.0	68	--	40000	5000	16000	--	--
JAN.											
11...	2	--	--	--	--	--	--	--	--	--	--
A11...	--	2.0	4.4	9.8	71	--	100000	--	12000	--	--
FEB.											
08...	2	--	--	--	--	--	--	--	--	--	--
A08...	--	2.5	1.8	12.7	93	--	90000	--	19000	--	--
MAR.											
09...	1	--	--	--	--	--	--	--	--	--	--
A09...	--	3.5	7.0	7.0	52	--	7100	850	2500	--	--
APR.											
12...	2	--	--	--	--	--	--	--	--	--	--
A12...	--	10.0	19.0	7.8	69	--	18000	6800	7000	--	--
MAY											
10...	2	--	--	--	--	--	--	--	--	--	--
A10...	--	12.0	15.5	10.4	96	--	60000	4200	3300	--	--
JUNE											
07...	2	--	--	--	--	15	--	--	--	--	--
A07...	--	22.5	29.0	7.7	88	--	72000	330	380	--	--
JULY											
12...	2	--	--	--	--	--	--	--	--	51	1.2
A12...	--	25.5	22.5	8.8	105	--	74000	3000	1100	--	--
AUG.											
16...	2	--	--	--	--	--	--	--	--	51	1.2
A16...	--	25.5	22.0	7.3	88	--	11000	1000	300	--	--
SEP.											
13...	1	--	--	--	--	--	--	--	--	53	1.4
A13...	--	25.0	24.5	7.6	90	--	100000	2000	800	--	--

0112700 QUINEBAUG RIVER AT JEWETT CITY, CONN.--Continued

TEMPERATURE (°C) OF WATER, OCTOBER 1970 TO SEPTEMBER 1971
(WATER-STAGE RECORDER WITH TEMPERATURE ATTACHMENT)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	19.5	18.5	10.0	9.0	4.5	4.0	0.5	0.0	2.0	1.5	3.0	2.0
2	18.5	17.0	9.5	9.0	5.0	4.5	0.5	0.0	2.0	2.0	3.0	3.0
3	18.5	18.0	9.5	9.0	5.0	5.0	0.5	0.0	2.0	2.0	3.0	3.0
4	18.5	17.0	9.5	9.5	5.5	5.0	0.0	0.0	2.0	2.0	3.0	2.0
5	17.0	15.5	9.5	9.0	5.0	4.5	0.0	0.0	2.0	2.0	2.0	2.0
6	17.0	15.5	9.5	9.0	4.5	4.0	0.0	0.0	2.0	2.0	3.0	2.0
7	18.0	16.0	9.5	9.0	3.5	2.0	0.0	0.0	2.0	2.0	3.5	3.0
8	18.5	16.5	9.5	9.0	1.5	1.0	0.5	0.0	2.0	1.5	3.5	3.5
9	18.5	16.5	9.0	8.5	1.0	1.0	0.5	0.0	2.0	1.5	3.5	3.5
10	18.0	16.5	9.0	9.0	1.0	0.5	0.5	0.0	1.5	1.5	3.5	3.5
11	17.0	16.5	9.0	9.0	0.5	0.5	0.5	0.0	1.5	1.5	3.5	3.5
12	17.0	16.5	9.5	9.0	0.5	0.5	0.5	0.0	1.5	1.5	4.0	3.5
13	18.5	16.5	9.0	9.0	0.5	0.5	0.5	0.0	2.0	1.5	4.0	4.0
14	18.0	16.5	9.0	9.0	0.5	0.5	0.5	0.5	1.5	1.5	4.0	4.0
15	18.0	17.0	9.0	9.0	0.5	0.5	0.5	0.5	1.5	1.5	4.5	4.0
16	18.0	16.5	9.0	8.5	0.5	0.0	1.0	0.5	1.5	1.5	6.0	4.5
17	16.5	15.5	8.5	8.0	0.5	0.0	1.0	0.5	1.5	1.5	6.0	5.5
18	15.0	14.0	8.0	7.0	0.5	0.5	1.0	0.5	1.5	1.5	6.0	5.5
19	14.5	13.0	7.0	6.5	0.5	0.5	1.0	0.5	1.5	1.5	5.5	5.0
20	14.0	11.5	7.0	6.5	0.5	0.5	1.0	0.5	1.5	1.5	5.0	4.5
21	12.0	11.5	7.0	7.0	0.5	0.5	1.0	0.5	1.5	1.5	4.5	4.5
22	13.0	11.5	7.0	7.0	0.5	0.5	1.0	0.5	1.5	1.5	10.0	4.5
23	13.5	12.0	7.0	7.0	0.5	0.5	1.0	0.5	1.5	1.5	5.0	4.5
24	14.0	13.5	7.0	6.5	0.5	0.5	1.5	0.5	1.5	1.5	5.5	5.0
25	14.0	13.5	6.0	5.5	1.0	0.5	1.5	1.0	2.0	1.5	5.5	5.0
26	13.5	13.0	5.5	5.0	1.0	0.5	1.0	0.5	2.0	2.0	5.0	5.0
27	13.0	11.5	5.0	4.5	0.5	0.5	1.0	1.0	2.0	2.0	5.0	5.0
28	12.0	11.0	4.5	4.0	1.0	0.5	1.5	1.0	2.0	2.0	5.5	5.0
29	11.5	10.0	4.0	4.0	1.0	0.5	1.5	1.0	---	---	6.0	5.5
30	11.0	10.0	4.0	4.0	0.5	0.0	1.5	1.0	---	---	6.5	6.0
31	10.5	9.5	---	---	0.5	0.0	1.5	1.5	---	---	7.0	6.5
MONTH	19.5	9.5	10.0	4.0	5.5	0.0	1.5	0.0	2.0	1.5	10.0	2.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.0	6.5	11.0	10.0	19.0	18.0	25.5	24.0	25.5	25.0	24.5	21.5
2	8.0	7.0	11.0	10.5	18.0	18.5	25.5	24.0	26.0	25.0	24.5	21.5
3	9.0	8.0	11.0	11.0	18.0	19.0	25.5	24.0	26.5	25.5	23.5	21.0
4	9.5	9.0	11.0	11.0	20.0	19.0	25.5	23.5	26.0	25.0	24.0	21.5
5	9.5	9.5	11.0	10.5	20.5	20.0	25.5	23.5	26.5	24.5	24.5	22.0
6	9.5	8.0	12.0	11.0	20.5	20.0	26.0	23.5	26.5	24.5	23.5	23.0
7	8.0	7.0	13.5	11.5	20.5	20.0	28.0	24.5	26.5	24.0	24.0	22.0
8	7.0	6.5	12.0	12.0	23.0	21.0	29.0	24.5	27.0	24.5	24.5	22.0
9	7.0	6.5	12.0	11.5	23.0	21.5	26.5	25.0	27.0	24.5	25.0	23.0
10	9.0	7.0	12.0	11.5	23.0	21.0	26.5	24.5	26.0	24.5	25.0	23.0
11	9.0	9.0	13.5	11.5	22.0	20.5	25.5	25.0	25.5	24.5	23.5	23.0
12	9.5	9.0	14.5	13.0	20.5	20.0	27.0	24.0	26.5	24.0	23.5	23.0
13	10.5	9.5	14.5	14.5	22.0	20.5	26.5	24.0	26.0	24.0	23.5	23.0
14	11.0	10.5	15.0	14.5	22.0	21.0	26.5	24.0	26.5	23.5	23.5	23.0
15	11.0	10.0	15.0	15.0	22.0	20.5	26.5	24.0	25.5	24.5	23.0	23.0
16	10.0	9.5	15.0	14.5	21.0	20.0	26.0	23.5	25.5	24.0	23.5	23.0
17	10.0	9.5	14.0	14.0	22.0	20.0	24.5	24.0	26.0	23.5	23.5	23.5
18	9.5	9.0	16.0	14.0	22.0	20.0	26.0	23.0	26.0	23.5	23.5	23.0
19	10.0	9.5	17.0	15.5	22.0	20.5	23.5	23.0	25.5	24.0	23.5	22.0
20	11.0	10.0	18.0	16.5	23.5	21.5	25.0	23.0	26.0	24.5	22.0	21.5
21	11.5	11.0	18.0	18.0	24.5	23.0	25.5	23.5	26.0	24.5	22.0	21.0
22	11.5	11.5	19.0	18.0	25.0	24.0	25.5	23.5	26.5	24.5	21.5	20.5
23	11.5	11.0	19.0	18.0	26.0	24.0	25.5	23.5	26.0	23.5	21.0	19.0
24	11.5	11.0	19.0	18.0	25.0	24.0	25.5	24.0	25.0	22.0	21.0	19.5
25	11.5	11.5	19.0	18.5	25.5	24.5	25.0	24.5	24.5	21.0	20.5	19.0
26	11.5	11.5	19.0	19.0	27.0	24.5	24.5	24.5	24.5	21.5	19.0	18.5
27	11.5	11.0	18.5	19.0	28.0	24.5	25.5	24.5	24.5	21.5	19.0	18.5
28	11.0	11.0	18.5	19.0	26.5	24.5	26.5	23.5	23.5	21.5	18.5	18.0
29	11.0	10.5	18.5	18.5	24.5	24.0	25.5	24.0	24.5	21.5	19.0	18.5
30	10.5	10.5	18.0	19.0	25.5	23.5	24.5	24.5	24.5	22.0	20.0	18.5
31	---	---	18.0	18.5	---	---	25.5	24.5	24.5	22.0	---	---
MONTH	11.5	6.5	19.0	10.0	28.0	18.0	29.0	23.0	27.0	21.0	25.0	18.0
YEAR	29.0	0.0										

01127500 YANTIC RIVER AT YANTIC, CONN.

Location.--Lat 41°33'31", long 72°07'19", New London County, at gaging station on left bank at Yantic, 700 ft downstream from stone-arch highway bridge, 1 mile downstream from Susquetonscut Brook, and 4.8 miles upstream from mouth.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
OCT.												
12...	1130	--	--	--	12	2.0	--	--	26	0	14	17
A12...	1130	8.5	--	--	--	--	--	--	--	--	--	--
NOV.												
09...	1310	--	--	--	12	1.9	--	--	14	0	22	16
A09...	1310	32	--	--	--	--	--	--	--	--	--	--
DEC.												
07...	1240	--	--	--	11	2.1	--	--	14	0	15	10
A07...	1240	53	--	--	--	--	--	--	--	--	--	--
JAN.												
11...	1320	--	--	--	9.8	1.6	--	--	12	0	15	13
A11...	1320	75	--	--	--	--	--	--	--	--	--	--
FEB.												
08...	1400	--	--	--	7.5	1.3	--	--	11	0	11	27
A08...	1400	172	--	--	--	--	--	--	--	--	--	--
MAR.												
08...	1205	--	--	--	6.0	1.3	--	--	9	0	10	11
A08...	1205	540	--	--	--	--	--	--	--	--	--	--
APR.												
12...	1300	--	4.9	--	7.0	1.3	--	--	11	0	12	10
A12...	1300	147	--	--	--	--	--	--	--	--	--	--
MAY												
10...	1190	--	5.7	0	7.0	1.3	--	--	12	0	10	9.4
A10...	1190	390	--	--	--	--	--	--	--	--	--	--
JUNE												
07...	1205	--	--	--	7.0	1.4	--	--	10	0	10	10
A07...	1205	69	--	--	--	--	--	--	--	--	--	--
JULY												
12...	1215	--	4.2	--	12	2.4	8.7	3.1	24	0	12	19
A12...	1215	7.3	--	--	--	--	--	--	--	--	--	--
AUG.												
16...	1200	--	3.6	--	9.0	1.2	5.8	1.6	18	0	9.2	12
A16...	1200	19	--	--	--	--	--	--	--	--	--	--
SEP.												
13...	1255	--	5.3	--	8.8	1.6	5.3	3.7	14	0	10	9.2
A13...	1255	245	--	--	--	--	--	--	--	--	--	--

01127500 YANTIC RIVER AT YANTIC, CONN.--Continued

DRAINAGE AREA.--88.6 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1958, June 1968 to September 1971.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)
OCT.												
12...	--	--	.39	--	--	--	38	16	21	134	7.1	--
A12...	--	--	--	--	--	--	--	--	--	150	6.6	--
NOV.												
09...	--	--	.30	--	--	--	38	26	11	140	6.7	--
AC9...	--	--	--	--	--	--	--	--	--	146	6.8	--
DEC.												
07...	--	--	.14	--	--	--	36	24	11	119	6.8	--
AC7...	--	--	--	--	--	--	--	--	--	150	6.7	--
JAN.												
11...	--	--	.10	--	--	--	31	21	10	107	6.8	--
A11...	--	--	--	--	--	--	--	--	--	119	6.8	--
FEB.												
08...	--	--	.19	--	--	--	24	15	9	149	6.5	--
AC8...	--	--	--	--	--	--	--	--	--	170	7.1	--
MAR.												
08...	--	--	.06	--	--	--	20	13	7	82	6.6	--
AC8...	--	--	--	--	--	--	--	--	--	90	6.7	--
APR.												
12...	.1	1.9	.06	--	--	--	23	14	9	87	6.9	--
A12...	--	--	--	--	--	--	--	--	--	93	7.1	--
MAY												
10...	--	1.6	.28	66	--	.09	23	13	10	81	6.7	--
A10...	--	--	--	--	--	--	--	--	--	81	7.3	--
JUNE												
07...	--	--	.11	--	--	--	23	10	13	88	6.9	1
AC7...	--	--	--	--	--	--	--	--	--	90	6.8	--
JULY												
12...	.0	3.1	.80	--	78	.11	40	20	20	140	6.9	1
A12...	--	--	--	--	--	--	--	--	--	143	6.9	--
AUG.												
16...	.1	1.8	.18	--	53	.07	27	13	15	87	7.0	1
A16...	--	--	--	--	--	--	--	--	--	90	6.6	--
SEP.												
13...	.1	1.3	.12	--	61	.08	29	18	11	102	6.7	1
A13...	--	--	--	--	--	--	--	--	--	107	6.6	--

01127500 YANTIC RIVER AT YANTIC, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TUR- BID- ITY (MG/L)	TEMP- ERATURE (DEG C)	AIR TEMP- ERATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
OCT.											
12...	1	--	--	--	--	--	--	--	--	--	--
A12...	--	15.5	19.5	9.9	98	--	28000	1100	680	--	--
NOV.											
09...	1	--	--	--	--	--	--	--	--	--	--
A09...	--	7.0	10.5	11.7	96	--	7900	380	130	--	--
DEC.											
07...	2	--	--	--	--	--	--	--	--	--	--
A07...	--	2.0	-2.0	9.8	70	--	1100	7900	190	--	--
JAN.											
11...	1	--	--	--	--	--	--	--	--	--	--
A11...	--	1.5	2.5	11.0	78	--	5100	--	220	--	--
FEB.											
08...	2	--	--	--	--	--	--	--	--	--	--
A08...	--	2.0	1.0	11.0	79	--	2300	--	3000	--	--
MAR.											
08...	0	--	--	--	--	--	--	--	--	--	--
A08...	--	3.0	6.0	11.3	84	--	4000	52	88	--	--
APR.											
12...	1	--	--	--	--	--	--	--	--	--	--
A12...	--	12.0	20.0	10.5	97	--	5800	2800	1000	--	--
MAY											
10...	2	--	--	--	--	--	--	--	--	--	--
A10...	--	11.0	16.5	9.7	87	--	6400	530	880	--	--
JUNE											
07...	2	--	--	--	--	12	--	--	--	--	--
A07...	--	22.0	29.0	7.8	89	--	12000	300	150	--	--
JULY											
12...	0	--	--	--	--	--	--	--	--	30	.6
A12...	--	25.0	24.0	10.5	124	--	24000	1600	400	--	--
AUG.											
16...	0	--	--	--	--	--	--	--	--	30	.5
A16...	--	24.0	22.0	9.0	106	--	16000	200	540	--	--
SEP.											
13...	6	--	--	--	--	--	--	--	--	25	.4
A13...	--	22.0	25.0	7.6	86	--	96000	4500	38000	--	--

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.

(International Hydrological Decade River Station and radiochemical program)

LOCATION.--Lat 41°59'14", long 72°36'21", Hartford County, at gaging station on canal of Connecticut Light and Power Co., 1 mile downstream from Thompsonville. Multiple-parameter monitor on right bank at Agawam, Mass., 4.5 miles upstream from gaging station and 1.4 miles upstream from Massachusetts-Connecticut State line.

DRAINAGE AREA.--9,661 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1956, January 1966 to September 1971.
Water temperatures: October 1955 to September 1956, January 1969 to September 1971.

EXTREMES.--1970-71:
Specific conductance: Maximum, 217 micromhos Feb. 9; minimum, 58 micromhos Apr. 20.
pH: Maximum, 8.7 July 22; minimum, 6.3 Aug. 4, 10, 11.
Dissolved oxygen: Maximum, 15.9 mg/l Feb. 17; minimum, 1.0 mg/l Aug. 20.
Water temperatures: Maximum, 29.0°C Aug. 22; minimum, freezing point on several days during winter period.

Period of record:
Specific conductance: Maximum 217 micromhos Feb. 9, 1971; minimum, 49 micromhos Apr. 23, 1969.
pH: Maximum, 9.7 Aug. 9, 1970; minimum, 5.9 July 20, 21, 1969, May 26, 1970.
Dissolved oxygen (1966-71): Maximum, 15.9 mg/l Feb. 17, 1971; minimum, 1.0 mg/l Aug. 20, 1971.
Water temperatures: Maximum, 31.5°C Aug. 16, 1970; minimum, freezing point on several days during winter periods of 1970 and 1971 water years.

REMARKS.--Records of hourly water-quality values are available in the New England district office. Recorder stopped Dec. 10-28, May 6-25, Sept. 19-28. pH probe not operating Oct. 1-27, June 26 to July 15.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)
OCT.											
09...	1500	9930	--	--	--	--	--	--	--	--	--
15...	0805	--	--	--	--	14	1.7	--	--	--	--
A15...	0805	4570	--	--	--	--	--	--	--	--	--
NOV.											
12...	0910	--	5.3	--	--	11	1.6	8.1	1.4	.90	--
A12...	0910	4850	--	--	--	--	--	--	--	--	--
DEC.											
10...	0900	--	6.0	210	80	10	1.7	6.6	1.1	.25	--
A10...	0900	8570	--	--	--	--	--	--	--	--	--
JAN.											
14...	0955	--	6.4	200	60	13	1.8	7.6	1.2	.85	--
A14...	0955	5950	--	--	--	--	--	--	--	--	--
FEB.											
11...	0935	--	6.5	260	70	13	1.8	11	1.3	.07	--
A11...	0935	6660	--	--	--	--	--	--	--	--	--
MAR.											
11...	1000	--	6.0	190	0	11	1.9	8.8	1.2	--	--
A11...	1000	14200	--	--	--	--	--	--	--	--	--
APR.											
15...	0915	--	4.6	80	40	8.7	1.1	6.1	.8	.27	.21
A15...	0915	63600	--	--	--	--	--	--	--	--	--
MAY											
13...	0820	--	4.4	110	0	8.0	1.1	3.6	.8	.08	.00
A13...	0820	50900	--	--	--	--	--	--	--	--	--
JUNE											
10...	0900	--	4.1	260	50	11	1.7	6.5	1.6	--	--
A10...	0900	8570	--	--	--	--	--	--	--	--	--
JULY											
15...	0920	--	.3	--	--	13	2.3	9.7	3.1	.56	.42
A15...	0920	2530	--	--	--	--	--	--	--	--	--
AUG.											
19...	0815	--	.7	80	70	14	2.1	10	1.6	.41	.32
A19...	0815	2250	--	--	--	--	--	--	--	--	--
SEP.											
16...	1005	--	3.9	140	50	12	1.8	8.5	1.6	.43	.33
A16...	1005	6480	--	--	--	--	--	--	--	--	--

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

DATE	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRITE (N) (MG/L)	NITRATE (NO3) (MG/L)	NITRATE (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)
OCT.											
09...	--	--	--	--	--	--	--	--	--	--	--
15...	36	19	12	--	--	--	--	.6	--	.96	.50
A15...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
12...	28	19	12	.1	.16	--	2.8	.6	--	1.1	.90
A12...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
10...	22	12	9.7	.1	.04	--	1.7	.4	--	1.3	.44
A10...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
14...	30	16	11	.1	.05	--	2.2	.5	--	1.1	.60
A14...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
11...	33	16	10	.1	.06	--	2.0	.4	--	1.0	.55
A11...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
11...	27	13	15	.1	--	--	2.2	.5	--	.70	.24
A11...	--	--	--	--	--	--	--	--	--	--	--
APR.											
15...	16	10	7.5	.1	.02	.006	1.8	.4	.56	.75	.50
A15...	--	--	--	--	--	--	--	--	--	--	--
MAY											
13...	18	8.4	5.4	.0	.02	.002	1.2	.2	--	--	.07
A13...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
10...	20	11	10	.1	--	--	1.3	.3	--	.60	.19
A10...	--	--	--	--	--	--	--	--	--	--	--
JULY											
15...	32	16	16	.1	.03	.010	1.3	.3	1.1	1.5	.36
A15...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
19...	39	16	15	.1	.13	.040	.9	.2	.73	1.0	.36
A19...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
16...	36	13	10	.2	.07	.020	.9	.2	.45	.70	.43
A16...	--	--	--	--	--	--	--	--	--	--	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	ALDRIN (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	LINDANE (UG/L)	2,4-D (UG/L)
DEC.										
10...	0900	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR.										
11...	1000	--	--	--	--	--	--	--	--	.00
JUNE										
10...	0900	--	.00	.00	.00	.00	.00	--	--	--

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

DATE	PHOS-PHATE (PO4) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	LOSS ON IGNI-TION (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PH (UNITS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)
OCT.											
05...	--	--	--	--	--	--	--	--	--	17.0	--
15...	--	.22	--	--	--	--	42	14	7.3	--	--
A15...	--	--	--	--	--	--	--	--	6.6	18.0	20.0
NOV.											
12...	--	.19	85	73	.12	16	36	11	6.6	--	--
A12...	--	--	--	--	--	--	--	--	6.7	9.0	15.0
DEC.											
10...	--	.10	71	63	.10	10	32	14	6.8	--	--
A10...	--	--	--	--	--	--	--	--	6.5	2.0	6.5
JAN.											
14...	--	.10	82	78	.11	11	40	16	7.0	--	--
A14...	--	--	--	--	--	--	--	--	6.7	.5	--
FEB.											
11...	--	.19	95	--	.13	3	40	13	6.9	--	--
A11...	--	--	--	--	--	--	--	--	6.5	1.5	-3.5
MAR.											
11...	--	.11	98	--	.13	9	36	14	7.0	--	--
A11...	--	--	--	--	--	--	--	--	7.6	3.0	.0
APR.											
15...	--	.19	54	46	.07	14	21	9	6.7	--	--
A15...	--	--	--	--	--	--	--	--	7.1	6.0	6.0
MAY											
13...	--	.090	54	42	.07	17	25	10	6.8	--	--
A13...	--	--	--	--	--	--	--	--	7.0	12.0	12.0
JUNE											
10...	--	.090	79	60	.11	30	36	18	6.9	--	--
A10...	--	--	--	--	--	--	--	--	6.9	22.0	22.0
JULY											
15...	.61	.20	--	77	.10	--	42	16	6.9	--	--
A15...	--	--	--	--	--	--	--	--	6.9	26.0	26.5
AUG.											
19...	.52	.17	--	81	.11	--	66	12	6.8	--	--
A19...	--	--	--	--	--	--	--	--	8.0	26.5	29.0
SEP.											
16...	--	.16	95	69	.13	19	32	9	6.9	--	--
A16...	--	--	--	--	--	--	--	--	6.8	24.0	28.0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

DATE	2,4,5-T (UG/L)	SILVEX (UG/L)	PCB (UG/L)	METHYL PARA-THION (UG/L)	MALA-THION (UG/L)	PARA-THION (UG/L)	DI-AZINON (UG/L)	ETHION (UG/L)	TRI-THION (UG/L)
DEC.									
10...	.00	.00	--	.00	.00	.00	--	.00	.00
MAR.									
11...	.00	<.01	.10	.00	.00	.00	<.01	.00	.00
JUNE									
10...	--	--	.20	.00	.00	.00	.01	.00	--

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TUR-BID-ITY (JTU)	TUR-BID-ITY (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	CHLORO-PHYLL A (UG/L)
OCT.										
09...	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	17	3	2	--	--	--	3.1
A15...	6.8	67	--	--	--	--	260000	23000	1000	--
NOV.										
12...	--	--	4.3	16	6	2	--	--	--	1.5
A12...	9.5	67	--	--	--	--	480000	11000	3200	--
DEC.										
10...	--	--	2.1	14	2	--	--	--	--	--
A10...	11.0	75	--	--	--	--	130000	6300	9000	--
JAN.										
14...	--	--	--	25	7	3	--	--	--	.7
A14...	11.6	81	--	--	--	--	150000	400	9800	--
FEB.										
11...	--	--	3.6	26	3	2	--	--	--	.8
A11...	10.9	79	--	--	--	--	60000	6300	7000	--
MAR.										
11...	--	--	3.5	16	5	2	--	--	--	.6
A11...	11.3	86	--	--	--	--	25000	1700	3600	--
APR.										
15...	--	--	4.7	18	25	--	--	--	--	5.0
A15...	10.2	82	--	--	--	--	5000	760	430	--
MAY										
13...	--	--	2.0	13	10	2	--	--	--	1.3
A13...	10.0	93	--	--	--	--	20000	240	550	--
JUNE										
10...	--	--	3.2	15	2	1	--	--	--	7.9
A10...	7.2	82	--	--	--	--	78000	3700	280	--
JULY										
15...	--	--	6.3	29	3	4	--	--	--	32
A15...	9.0	120	--	--	--	--	25000	2000	1600	--
AUG.										
19...	--	--	--	26	8	1	--	--	--	14
A19...	4.5	55	--	--	--	--	190000	2300	900	--
SEP.										
16...	--	--	2.2	15	8	4	--	--	--	4.0
A16...	6.0	67	--	--	--	--	110000	16000	230	--

RADIOCHEMICAL ANALYSES WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED NATURAL URANIUM (U) (UG/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
OCT.												
15...	.04	.05	2.7	.9	5.6	4.6	84	<.4	<.1	1.0	1.1	6
NOV.												
12...	.04	.04	<.5	<.3	3.6	4.5	86	.4	.1	.9	.9	5
DEC.												
10...	.07	.02	<1.0	<.3	2.9	3.7	78	<.4	<.1	<.4	<.4	4
APR.												
23...	.07	.03	.5	.2	2.5	3.2	91	1.7	.6	4.2	5.0	51

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)	OIL AND GREASE (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	ALKALINITY AS CACO3 (MG/L)	TOTAL ACIDITY AS CACO3 (MG/L)	FIXED FILTRABLE RESIDUE (MG/L)
OCT.										
09...	--	--	--	--	--	--	--	--	--	--
15...	.03	--	--	--	--	--	--	28	--	--
A15...	--	--	--	--	--	--	--	--	--	--
NOV.										
12...	.04	20	--	--	--	33	.6	23	--	--
A12...	--	--	--	--	--	--	--	--	--	--
DEC.										
10...	.06	20	--	--	--	29	.5	18	--	--
A10...	--	--	--	--	--	--	--	--	--	--
JAN.										
14...	.04	20	--	--	--	29	.5	25	--	--
A14...	--	--	--	--	--	--	--	--	--	--
FEB.										
11...	.04	12	--	--	--	37	.8	27	--	--
A11...	--	--	--	--	--	--	--	--	--	--
MAR.										
11...	.05	8	--	--	--	34	.6	22	--	--
A11...	--	--	--	--	--	--	--	--	--	--
APR.										
15...	.04	10	--	--	--	29	.4	11	--	--
A15...	--	--	--	--	--	--	--	--	--	--
MAY										
13...	.01	6	--	--	--	23	.3	15	--	--
A13...	--	--	--	--	--	--	--	--	--	--
JUNE										
10...	.07	6	--	--	--	28	.5	16	--	--
A10...	--	--	--	--	--	--	--	--	--	--
JULY										
15...	.05	--	--	--	--	32	.7	26	--	--
A15...	--	--	--	--	--	--	--	--	--	--
AUG.										
19...	.08	--	--	--	--	32	.7	32	--	--
A19...	--	--	--	--	--	--	--	--	--	--
SEP.										
16...	.04	22	.0	.01	0	32	.6	28	3	7
A16...	--	--	--	--	--	--	--	--	--	--

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	138	132	135	152	123	136	118	110	113	136	128	134
2	133	127	130	152	131	143	112	100	108	146	132	135
3	136	129	133	134	127	131	113	108	110	152	13[illegible]	144
4	134	129	132	131	123	128	114	106	111	153	129	143
5	131	128	129	132	110	127	117	96	107	156	148	152
6	129	123	126	133	129	131	103	96	99	164	135	153
7	131	123	129	129	123	126	109	100	105	142	132	137
8	132	123	129	145	123	131	109	101	107	139	130	134
9	131	124	128	130	123	127	110	101	106	130	123	127
10	134	123	129	133	125	130	---	---	---	126	120	123
11	132	123	126	138	129	133	---	---	---	128	123	126
12	132	123	130	132	123	129	---	---	---	135	128	131
13	133	128	131	123	114	120	---	---	---	132	123	128
14	134	128	131	125	100	120	---	---	---	125	123	126
15	140	129	134	130	116	123	---	---	---	136	122	126
16	139	123	131	131	121	128	---	---	---	137	131	134
17	131	123	126	124	109	121	---	---	---	144	132	137
18	127	121	123	121	100	118	---	---	---	154	130	143
19	121	101	117	123	109	119	---	---	---	140	131	134
20	120	109	117	120	109	117	---	---	---	134	125	129
21	124	120	122	118	116	117	---	---	---	134	123	131
22	125	101	120	116	100	109	---	---	---	148	123	134
23	127	101	121	109	106	108	---	---	---	163	133	142
24	125	109	122	109	100	106	---	---	---	173	144	153
25	116	110	114	107	100	104	---	---	---	166	143	157
26	115	110	113	106	100	103	---	---	---	165	133	152
27	116	110	113	109	104	107	---	---	---	160	141	152
28	118	110	114	113	100	108	---	---	---	139	131	133
29	118	110	115	116	110	114	129	123	127	131	121	126
30	119	110	115	119	110	116	127	122	125	158	122	136
31	128	110	123	---	---	---	136	126	131	155	132	140
MONTH	140	101	124	152	100	121	---	---	---	173	120	137

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	137	123	131	125	110	115	119	110	116	72	68	70
2	130	121	126	121	110	115	119	110	115	72	70	71
3	129	121	126	123	109	120	116	90	104	72	70	71
4	130	123	128	144	121	128	88	81	84	72	63	67
5	152	123	132	143	127	138	81	79	80	64	63	64
6	202	144	172	---	---	---	85	79	82	---	---	---
7	188	159	170	---	---	---	105	82	91	---	---	---
8	198	163	177	149	139	144	101	90	93	---	---	---
9	217	162	181	142	132	138	98	92	95	---	---	---
10	160	138	145	136	130	133	98	87	94	---	---	---
11	140	128	133	136	123	131	86	79	82	---	---	---
12	143	123	133	149	134	140	81	75	78	---	---	---
13	181	135	145	135	130	133	77	70	73	---	---	---
14	177	113	145	140	109	133	70	62	65	---	---	---
15	180	121	141	144	132	139	74	67	70	---	---	---
16	126	104	118	137	133	136	76	73	74	---	---	---
17	125	93	115	132	115	123	76	73	75	---	---	---
18	143	87	124	115	110	112	80	77	78	---	---	---
19	136	129	132	118	110	115	78	70	74	---	---	---
20	147	128	133	135	118	127	68	58	62	---	---	---
21	143	129	135	134	120	126	62	60	61	---	---	---
22	134	130	133	121	109	117	65	62	64	---	---	---
23	139	128	135	123	118	121	68	65	66	---	---	---
24	150	139	145	125	122	124	67	65	66	---	---	---
25	147	141	145	127	123	125	66	65	66	---	---	---
26	140	132	138	128	121	124	69	65	67	110	103	108
27	157	135	142	128	123	125	74	70	72	109	100	106
28	149	123	134	136	123	130	73	72	72	107	100	103
29	---	---	---	135	123	130	75	71	73	107	100	105
30	---	---	---	129	123	126	71	68	69	106	102	104
31	---	---	---	124	113	119	---	---	---	113	101	110
MONTH	217	87	140	149	109	127	119	58	75	---	---	---

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	115	100	109	144	132	137	149	141	145	116	100	110
2	113	107	109	138	132	135	146	141	144	125	109	115
3	116	100	112	140	130	135	141	132	138	127	123	126
4	114	109	111	143	132	136	137	131	134	131	121	126
5	123	112	118	146	140	142	139	131	134	131	121	126
6	131	115	121	145	143	146	140	132	136	144	132	136
7	134	123	129	148	141	145	138	135	136	148	142	145
8	126	120	123	151	143	147	137	132	134	146	139	143
9	127	101	121	153	143	150	146	140	143	140	135	137
10	126	120	123	147	141	144	145	141	143	134	123	125
11	124	120	122	151	142	148	149	143	146	131	126	129
12	140	123	131	154	146	151	153	144	148	136	131	134
13	156	134	144	153	144	148	149	143	146	136	126	132
14	145	137	141	151	143	146	151	143	144	136	130	133
15	149	138	145	156	143	149	159	151	156	133	123	128
16	154	145	149	159	152	156	157	154	156	129	123	126
17	158	143	150	160	155	158	157	149	153	127	121	124
18	149	139	145	163	153	158	158	153	156	120	115	118
19	145	139	142	163	154	159	166	155	160	---	---	---
20	145	141	143	158	144	149	166	162	164	---	---	---
21	150	142	146	158	143	150	165	153	157	---	---	---
22	146	136	140	160	138	151	165	157	162	---	---	---
23	147	136	140	143	140	141	165	158	161	---	---	---
24	145	140	143	143	138	140	159	153	156	---	---	---
25	145	138	140	148	142	145	158	147	151	---	---	---
26	149	132	142	150	143	148	162	158	160	---	---	---
27	144	135	140	153	144	145	163	144	155	---	---	---
28	141	132	136	147	143	145	144	132	140	---	---	---
29	140	138	139	153	146	149	135	117	122	142	140	141
30	144	136	139	158	152	156	115	98	105	150	142	145
31	---	---	---	160	143	153	116	104	112	---	---	---
MONTH	158	100	133	163	130	147	166	98	145	---	---	---
YEAR	217	58	126									

pH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	6.8	6.6	6.7	7.0	7.0	7.0	7.1	6.9	7.0
2	---	---	---	6.7	6.5	6.6	7.0	6.8	6.9	7.0	6.8	6.9
3	---	---	---	6.8	6.6	6.7	6.9	6.8	6.9	6.9	6.8	6.9
4	---	---	---	6.8	6.7	6.7	6.9	6.7	6.8	7.0	6.8	6.9
5	---	---	---	6.7	6.5	6.6	7.0	6.9	6.9	7.0	6.9	6.9
6	---	---	---	6.7	6.5	6.6	7.0	7.0	7.0	7.0	6.9	6.9
7	---	---	---	6.7	6.6	6.6	7.0	6.9	6.9	7.0	6.9	7.0
8	---	---	---	6.7	6.4	6.6	7.0	6.9	6.9	7.0	7.0	7.0
9	---	---	---	6.6	6.5	6.5	7.0	6.9	7.0	7.0	7.0	7.0
10	---	---	---	6.6	6.5	6.5	---	---	---	7.0	6.9	7.0
11	---	---	---	6.6	6.4	6.5	---	---	---	7.0	6.9	7.0
12	---	---	---	6.6	6.5	6.6	---	---	---	7.0	6.8	6.9
13	---	---	---	6.6	6.6	6.6	---	---	---	7.0	6.9	6.9
14	---	---	---	6.7	6.6	6.7	---	---	---	6.9	6.9	6.9
15	---	---	---	6.7	6.6	6.6	---	---	---	6.9	6.9	6.9
16	---	---	---	6.7	6.6	6.7	---	---	---	6.9	6.8	6.9
17	---	---	---	6.8	6.7	6.8	---	---	---	6.9	6.8	6.8
18	---	---	---	7.0	6.8	6.9	---	---	---	6.8	6.7	6.8
19	---	---	---	7.0	6.9	7.0	---	---	---	6.8	6.7	6.8
20	---	---	---	7.0	7.0	7.0	---	---	---	7.0	6.8	6.9
21	---	---	---	7.0	6.9	7.0	---	---	---	6.9	6.9	6.9
22	---	---	---	7.0	7.0	7.0	---	---	---	6.9	6.8	6.9
23	---	---	---	7.0	7.0	7.0	---	---	---	6.9	6.8	6.8
24	---	---	---	7.1	7.0	7.1	---	---	---	6.9	6.7	6.8
25	---	---	---	7.2	7.1	7.2	---	---	---	6.9	6.6	6.8
26	---	---	---	7.2	7.1	7.2	---	---	---	6.9	6.9	6.9
27	---	---	---	7.2	7.0	7.1	---	---	---	6.9	6.9	6.9
28	7.1	6.9	6.9	7.1	7.0	7.0	---	---	---	6.9	6.9	6.9
29	7.0	6.8	6.9	7.0	6.9	6.9	7.0	6.9	7.0	6.9	6.8	6.9
30	7.0	6.9	6.9	---	---	---	7.0	7.0	7.0	6.9	6.8	6.8
31	6.9	6.8	6.8	---	---	---	7.0	6.9	7.0	6.8	6.8	6.8
MONTH	---	---	---	7.2	6.4	6.8	---	---	---	7.1	6.6	6.9

CONNECTICUT RIVER BASIN

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

pH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.7	6.8	6.9	6.9	6.9	7.0	6.9	6.9	7.5	7.3	7.5
2	6.8	6.7	6.8	7.0	6.9	6.9	6.9	6.8	6.9	7.5	7.5	7.5
3	6.8	6.7	6.7	7.1	6.9	7.0	6.9	6.8	6.8	7.5	7.5	7.5
4	6.8	6.7	6.7	7.1	7.0	7.0	6.9	6.8	6.8	7.6	7.5	7.5
5	6.8	6.9	6.8	7.1	7.0	7.0	6.9	6.8	6.9	7.6	7.5	7.5
6	6.9	6.8	6.9	---	---	---	6.9	6.9	6.9	---	---	---
7	6.9	6.7	6.8	---	---	---	6.9	6.9	6.9	---	---	---
8	6.8	6.7	6.8	7.1	7.0	7.0	6.9	6.9	6.9	---	---	---
9	6.9	6.8	6.8	7.1	7.0	7.0	7.0	6.8	7.0	---	---	---
10	6.8	6.8	6.8	7.1	7.0	7.0	7.0	6.9	6.9	---	---	---
11	6.8	6.8	6.8	7.0	7.0	7.0	6.9	6.9	6.9	---	---	---
12	7.0	6.8	6.9	7.0	7.0	7.0	6.9	6.8	6.9	---	---	---
13	7.0	6.9	6.9	7.0	6.9	7.0	6.8	6.7	6.8	---	---	---
14	7.3	7.0	7.2	7.0	6.9	6.9	6.8	6.7	6.7	---	---	---
15	7.2	7.1	7.1	7.0	6.9	6.9	6.8	6.8	6.8	---	---	---
16	7.1	7.0	7.1	7.4	6.9	7.1	6.9	6.8	6.8	---	---	---
17	7.1	7.0	7.0	7.4	6.9	7.0	6.9	6.8	6.8	---	---	---
18	7.0	6.8	6.9	7.0	6.9	6.9	6.9	6.8	6.8	---	---	---
19	6.9	6.8	6.8	7.0	6.9	6.9	6.9	6.8	6.9	---	---	---
20	6.9	6.8	6.9	7.0	6.9	6.9	6.9	6.8	6.8	---	---	---
21	6.9	6.8	6.9	7.0	6.8	6.9	6.9	6.8	6.9	---	---	---
22	6.9	6.8	6.8	7.2	7.0	7.0	6.9	6.9	6.9	---	---	---
23	7.0	6.8	6.9	7.1	6.9	7.0	7.0	6.7	6.9	---	---	---
24	7.0	7.0	7.0	7.0	6.9	6.9	6.7	6.6	6.7	---	---	---
25	7.0	6.9	7.0	7.0	6.9	6.9	6.7	6.6	6.6	---	---	---
26	6.9	6.9	6.9	7.0	6.9	6.9	6.7	6.6	6.7	7.4	6.9	7.1
27	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.7	7.4	7.2	7.2
28	6.9	6.9	6.9	6.9	6.8	6.9	6.8	6.7	6.8	7.2	7.0	7.1
29	---	---	---	6.9	6.8	6.9	7.3	6.9	7.0	7.1	7.0	7.1
30	---	---	---	7.0	6.9	6.9	7.5	7.3	7.4	7.1	7.1	7.1
31	---	---	---	7.0	6.9	7.0	---	---	---	7.1	6.9	7.0
MONTH	7.3	6.7	6.9	7.4	6.8	7.0	7.5	6.6	6.9	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	6.8	7.0	---	---	---	6.7	6.5	6.6	8.0	7.0	7.4
2	6.8	6.6	6.7	---	---	---	6.8	6.4	6.6	7.9	6.9	7.2
3	6.6	6.5	6.6	---	---	---	7.0	6.4	6.6	8.6	7.0	7.5
4	6.7	6.5	6.6	---	---	---	6.6	6.3	6.5	8.2	7.0	7.4
5	6.7	6.5	6.6	---	---	---	7.0	6.5	6.8	8.3	7.0	7.3
6	7.6	6.6	6.8	---	---	---	7.0	6.7	6.8	7.4	6.9	7.1
7	6.9	6.7	6.8	---	---	---	7.1	6.5	6.8	7.0	6.8	6.9
8	7.0	6.8	6.9	---	---	---	8.0	6.6	7.1	7.3	6.9	7.1
9	7.0	6.8	6.9	---	---	---	7.1	6.5	6.7	7.1	6.9	7.0
10	6.8	6.6	6.7	---	---	---	7.0	6.3	6.6	7.1	6.8	6.9
11	6.7	6.5	6.6	---	---	---	6.8	6.3	6.5	7.0	6.8	6.9
12	6.7	6.6	6.6	---	---	---	6.9	6.7	6.8	6.9	6.7	6.8
13	---	---	---	---	---	---	7.1	6.6	6.8	6.9	6.6	6.8
14	---	---	---	---	---	---	7.7	6.6	6.9	7.1	6.8	6.9
15	---	---	---	---	---	---	7.6	6.7	6.9	6.9	6.8	6.9
16	7.7	7.1	7.4	7.9	6.9	7.4	6.8	6.7	6.7	7.0	6.9	6.9
17	7.3	6.9	7.0	8.0	6.7	7.1	7.1	6.7	6.9	7.2	6.8	7.0
18	7.3	6.8	7.2	7.0	6.5	6.7	7.1	6.7	6.9	7.0	6.8	6.9
19	7.1	7.1	7.1	6.9	6.5	6.7	6.8	6.5	6.6	---	---	---
20	7.3	7.0	7.2	6.8	6.4	6.6	6.6	6.5	6.6	---	---	---
21	7.2	7.1	7.2	8.1	6.6	7.0	6.6	6.5	6.5	---	---	---
22	7.3	7.1	7.2	8.7	6.6	7.3	6.9	6.5	6.6	---	---	---
23	7.4	7.1	7.3	8.5	6.7	7.3	6.8	6.5	6.7	---	---	---
24	7.3	7.2	7.3	8.6	6.8	7.3	6.9	6.5	6.6	---	---	---
25	7.2	7.1	7.2	8.0	6.8	7.1	7.1	6.7	6.8	---	---	---
26	---	---	---	7.2	6.7	6.9	7.0	6.7	6.9	---	---	---
27	---	---	---	7.1	6.5	6.8	6.9	6.8	6.8	---	---	---
28	---	---	---	8.0	6.7	7.1	7.1	6.7	6.9	---	---	---
29	---	---	---	7.6	6.8	7.0	7.1	6.9	7.0	---	---	---
30	---	---	---	6.8	6.6	6.7	7.1	6.9	7.0	---	---	---
31	---	---	---	6.8	6.4	6.6	7.4	7.1	7.2	---	---	---
MONTH	---	---	---	---	---	---	8.0	6.3	6.8	---	---	---
YEAR	8.7	6.3	6.9									

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	5.1	6.2	7.3	5.2	6.2	10.8	9.0	10.0	11.7	11.1	11.4
2	7.8	6.1	6.8	6.1	4.9	5.6	10.8	10.5	10.6	11.4	10.8	11.1
3	8.0	6.3	7.1	7.0	5.0	6.3	10.8	10.2	10.5	11.4	10.8	11.1
4	8.4	6.8	7.6	7.3	6.0	6.7	10.7	10.2	10.4	12.4	10.8	11.3
5	8.0	6.2	6.9	7.1	5.1	6.5	11.7	10.4	11.0	11.7	11.2	11.4
6	7.6	6.0	6.9	7.6	5.6	6.5	11.9	11.7	11.8	11.8	11.0	11.5
7	8.0	6.7	7.2	8.1	6.6	7.6	12.4	11.6	11.9	13.1	11.1	11.7
8	7.2	6.1	6.6	8.1	6.0	7.2	12.3	11.9	12.1	11.6	11.2	11.4
9	7.1	6.4	6.7	7.3	6.2	6.9	12.4	12.1	12.3	13.0	11.2	11.5
10	6.9	6.0	6.5	7.1	6.0	6.7	---	---	---	12.0	11.2	11.5
11	6.4	5.1	5.9	6.4	4.7	5.6	---	---	---	11.6	11.1	11.4
12	5.5	4.6	5.0	7.1	5.5	6.3	---	---	---	11.7	11.0	11.4
13	5.6	4.2	4.9	7.7	6.2	7.1	---	---	---	11.6	11.3	11.4
14	6.3	5.1	5.7	8.0	7.4	7.7	---	---	---	11.7	11.1	11.4
15	5.7	5.0	5.3	7.6	7.1	7.4	---	---	---	11.7	11.2	11.4
16	5.9	4.8	5.4	8.0	7.0	7.6	---	---	---	11.7	11.2	11.4
17	6.7	5.5	6.2	9.6	7.8	8.2	---	---	---	11.7	11.1	11.5
18	7.6	6.8	7.2	9.2	8.5	8.8	---	---	---	12.1	10.7	11.4
19	8.1	7.3	7.6	9.1	8.5	8.9	---	---	---	11.9	11.2	11.5
20	8.1	7.5	7.8	9.4	9.1	9.2	---	---	---	11.6	10.9	11.4
21	8.3	7.7	8.0	9.3	8.8	9.1	---	---	---	11.6	11.1	11.4
22	8.0	7.6	7.8	9.9	9.4	9.6	---	---	---	12.2	10.8	11.2
23	7.8	7.3	7.5	9.9	9.6	9.8	---	---	---	11.3	10.8	11.1
24	7.4	7.1	7.3	10.7	10.0	10.3	---	---	---	11.5	10.7	11.2
25	7.3	6.9	7.2	11.3	10.8	11.1	---	---	---	11.3	10.0	10.6
26	7.4	6.8	7.1	11.6	11.3	11.5	---	---	---	11.4	10.8	11.1
27	7.7	7.2	7.4	11.6	11.4	11.5	---	---	---	11.1	10.7	11.0
28	7.7	6.8	7.4	11.4	10.8	11.1	---	---	---	12.1	11.2	11.5
29	8.0	6.6	7.4	11.1	10.8	10.9	11.7	11.2	11.4	11.6	10.8	11.3
30	8.1	7.2	7.7	10.8	9.3	9.7	12.9	11.3	11.5	11.6	10.7	11.0
31	7.8	6.6	7.3	---	---	---	11.7	11.1	11.4	11.8	10.7	11.1
MONTH	8.4	4.2	6.8	11.6	4.7	8.3	---	---	---	13.1	10.0	11.3

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.8	10.8	11.2	13.1	12.3	12.7	12.0	11.5	11.8	12.0	11.6	11.8
2	11.6	11.0	11.3	13.2	12.6	13.0	11.9	11.4	11.7	11.7	11.4	11.5
3	11.4	10.7	11.1	13.1	12.7	12.9	12.1	11.1	11.6	11.4	11.3	11.4
4	11.5	10.5	11.0	13.1	12.5	12.9	12.7	12.0	12.5	11.7	11.2	11.5
5	11.1	10.3	10.7	13.1	12.9	13.0	13.1	12.5	12.8	11.9	11.7	11.8
6	11.1	10.5	10.8	---	---	---	13.7	12.9	13.3	---	---	---
7	11.1	10.0	10.7	---	---	---	13.1	12.9	13.0	---	---	---
8	11.0	10.2	10.7	12.7	12.2	12.5	13.2	12.8	13.0	---	---	---
9	11.3	10.5	10.8	12.7	12.4	12.5	13.0	12.1	12.7	---	---	---
10	11.0	10.6	10.8	12.7	12.0	12.3	12.1	11.9	12.0	---	---	---
11	11.2	10.8	10.9	12.3	12.0	12.2	12.6	12.1	12.4	---	---	---
12	11.1	10.7	10.9	12.0	11.8	11.9	12.5	12.1	12.3	---	---	---
13	11.0	10.2	10.7	11.7	11.4	11.5	12.2	12.0	12.1	---	---	---
14	15.2	11.1	14.0	12.0	11.3	11.5	12.6	11.9	12.2	---	---	---
15	15.6	14.7	15.0	12.2	11.9	12.1	13.3	12.5	13.0	---	---	---
16	15.7	14.6	15.0	12.4	11.9	12.1	13.2	12.8	13.0	---	---	---
17	15.9	15.4	15.7	12.5	12.0	12.2	13.0	12.7	12.9	---	---	---
18	15.8	11.6	13.8	12.8	12.4	12.7	12.6	12.4	12.5	---	---	---
19	11.9	11.4	11.7	12.7	12.5	12.6	12.5	11.8	12.2	---	---	---
20	11.7	11.4	11.6	12.8	12.5	12.6	12.0	11.8	11.9	---	---	---
21	11.9	11.3	11.6	12.6	12.0	12.5	12.1	11.9	12.0	---	---	---
22	12.0	11.3	11.6	12.8	12.4	12.5	12.3	12.0	12.2	---	---	---
23	12.0	11.7	11.9	12.8	12.5	12.7	12.3	12.0	12.2	---	---	---
24	12.0	11.5	11.7	12.9	12.0	12.5	12.2	11.1	11.9	---	---	---
25	12.0	11.7	11.8	12.9	12.4	12.6	12.2	12.0	12.1	---	---	---
26	11.9	11.6	11.7	12.4	12.0	12.2	12.6	12.0	12.3	8.0	7.7	7.9
27	12.1	11.7	11.8	12.3	12.0	12.1	12.3	12.0	12.2	8.3	7.9	8.1
28	12.5	12.1	12.3	12.1	11.6	11.8	12.2	12.0	12.1	8.7	8.1	8.5
29	---	---	---	11.8	11.3	11.5	12.0	11.7	11.9	8.8	8.4	8.6
30	---	---	---	11.8	11.3	11.5	12.0	11.7	11.9	8.8	8.5	8.6
31	---	---	---	12.1	11.3	11.7	---	---	---	8.6	8.1	8.4
MONTH	15.9	10.0	11.9	13.2	11.3	12.3	13.7	11.1	12.3	---	---	---

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.5	8.2	8.4	8.6	5.5	6.6	4.6	3.1	3.8	---	---	---
2	8.4	7.7	8.0	7.9	4.4	6.2	6.0	3.3	4.7	---	---	---
3	7.9	7.3	7.5	9.0	6.1	7.7	7.0	3.6	4.9	---	---	---
4	7.9	7.4	7.6	11.6	7.0	9.1	5.5	3.6	4.4	---	---	---
5	7.7	7.2	7.5	13.0	8.1	10.4	6.6	3.5	5.2	---	---	---
6	8.2	6.3	7.5	13.3	8.6	10.6	7.3	5.1	6.1	---	---	---
7	8.1	7.2	7.6	10.6	6.9	9.0	7.5	4.7	6.2	---	---	---
8	8.5	7.2	7.8	10.9	5.7	8.1	9.0	5.5	7.4	6.2	3.7	4.4
9	8.0	6.7	7.4	7.9	3.2	5.8	8.0	5.7	6.8	5.4	4.3	4.7
10	7.7	6.8	7.3	8.8	3.0	5.7	7.1	4.5	5.4	7.5	5.8	6.5
11	8.3	7.2	7.8	7.7	5.1	6.4	---	---	---	7.5	6.7	7.1
12	8.2	7.2	7.6	9.4	3.1	6.2	5.9	2.7	4.0	7.1	4.8	6.1
13	7.9	6.0	7.2	8.8	4.4	6.7	5.9	3.4	4.9	5.3	4.5	4.5
14	8.2	5.9	7.1	8.4	5.0	6.5	6.6	5.6	6.2	5.5	5.0	5.2
15	8.9	6.6	7.8	8.9	4.2	6.7	6.4	5.0	6.2	5.5	5.1	5.3
16	9.2	7.2	8.2	9.0	4.5	6.9	6.2	5.8	6.1	5.6	5.2	5.5
17	9.6	6.5	8.0	9.3	4.7	6.7	6.3	5.5	5.9	5.8	5.6	5.7
18	9.2	5.8	7.2	7.9	3.9	5.6	6.0	1.9	5.1	5.7	5.6	5.7
19	8.3	5.8	7.1	7.3	3.9	6.0	1.7	1.1	1.2	---	---	---
20	9.7	5.8	7.8	6.9	3.3	5.2	1.2	1.0	1.1	---	---	---
21	9.1	6.1	7.5	10.0	5.3	7.5	1.5	1.1	1.3	---	---	---
22	8.4	5.6	6.9	11.3	6.3	8.6	2.1	1.3	1.6	---	---	---
23	8.3	6.0	7.0	10.7	5.5	8.0	1.8	1.5	1.7	---	---	---
24	8.9	5.7	7.0	10.2	5.1	7.6	2.4	1.8	2.1	---	---	---
25	8.5	4.8	6.7	9.5	5.1	6.8	2.8	2.3	2.5	---	---	---
26	8.5	5.3	6.8	7.8	4.2	5.7	3.3	2.5	2.7	---	---	---
27	9.2	5.2	7.6	5.8	1.7	3.8	---	---	---	---	---	---
28	11.0	7.3	8.8	7.9	3.0	5.3	---	---	---	---	---	---
29	9.4	6.3	7.8	7.0	3.7	5.2	---	---	---	5.4	5.1	5.2
30	9.5	4.6	7.7	4.4	3.0	3.8	---	---	---	5.2	5.1	5.1
31	---	---	---	4.8	1.3	3.1	---	---	---	---	---	---
MONTH	11.0	4.6	7.5	13.3	1.3	6.7	9.0	1.0	4.3	---	---	---
YEAR	15.9	1.0	9.1									

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.0	18.0	18.5	12.0	10.0	10.5	6.5	6.0	6.0	0.5	0	0.5
2	18.5	17.5	18.0	11.0	10.0	10.5	7.0	6.0	6.5	1.0	0	0.5
3	18.5	18.0	18.0	12.0	10.0	11.0	6.5	5.5	6.0	1.0	0	0.5
4	18.0	16.5	17.5	11.5	11.0	11.0	7.0	6.0	6.5	1.5	0	0.5
5	18.0	16.0	17.0	11.0	10.0	10.5	6.0	4.0	5.0	1.5	1.0	1.0
6	17.5	16.5	16.5	11.0	9.5	10.5	4.0	3.0	3.5	1.5	0.5	1.0
7	17.5	16.5	17.0	11.0	9.5	10.0	3.5	3.0	3.0	1.5	0.5	1.0
8	17.5	17.0	17.0	11.5	9.0	10.0	2.5	2.0	2.5	1.0	0	1.0
9	17.5	17.0	17.5	10.0	8.5	9.5	3.5	1.5	2.5	1.0	0.5	0.5
10	18.5	17.0	17.5	10.0	9.0	9.5	---	---	---	1.0	0	0.5
11	18.5	18.0	18.0	10.5	10.0	10.0	---	---	---	1.5	0.5	1.0
12	18.5	18.0	18.0	11.0	10.0	10.5	---	---	---	2.0	1.0	1.5
13	18.5	18.0	18.5	10.0	9.5	9.5	---	---	---	1.5	0.5	1.0
14	19.0	18.0	18.5	10.5	9.5	10.0	---	---	---	1.0	1.0	1.0
15	19.0	18.5	18.5	10.0	9.5	10.0	---	---	---	1.5	0.5	1.0
16	18.5	17.0	18.0	9.5	9.0	9.5	---	---	---	1.5	0.5	1.0
17	17.0	15.0	16.0	9.5	8.5	9.0	---	---	---	1.0	0.5	1.0
18	15.0	14.0	14.5	9.0	8.0	8.5	---	---	---	1.0	0.5	1.0
19	14.5	13.5	14.0	8.5	8.0	8.5	---	---	---	1.0	0.5	1.0
20	14.0	12.5	13.0	10.0	8.5	9.0	---	---	---	1.0	0.5	1.0
21	13.0	12.5	13.0	10.0	8.5	9.0	---	---	---	1.0	0.5	0.5
22	13.5	13.0	13.0	8.5	8.0	8.0	---	---	---	1.5	0.5	1.0
23	14.0	13.5	13.5	8.5	8.0	8.5	---	---	---	1.0	0.5	1.0
24	15.0	13.5	14.0	8.0	6.5	7.0	---	---	---	1.0	0.5	1.0
25	14.5	13.5	14.0	6.5	5.0	5.5	---	---	---	1.5	1.0	1.0
26	13.5	13.0	13.5	5.5	4.5	5.0	---	---	---	1.5	1.0	1.0
27	13.5	12.5	13.0	5.0	5.0	5.0	---	---	---	1.0	0.5	0.5
28	12.5	11.0	12.0	6.0	5.0	5.5	---	---	---	1.0	0.5	1.0
29	12.0	10.5	11.5	5.5	5.0	5.5	1.0	0.5	1.0	1.0	0.5	1.0
30	12.0	10.5	11.0	6.5	5.5	6.0	1.0	0.5	0.5	1.5	0.5	1.0
31	11.5	10.0	10.5	---	---	---	1.0	0	0.5	1.5	0.5	1.0
MONTH	19.0	10.0	15.5	12.0	4.5	9.0	---	---	---	2.0	0	1.0

01184000 CONNECTICUT RIVER AT THOMPSONVILLE, CONN.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.0	0.5	1.0	3.0	2.0	2.5	5.5	4.5	5.0	8.0	6.0	7.0
2	1.0	0.5	1.0	2.5	1.5	2.0	7.0	5.5	6.0	8.5	7.0	7.5
3	1.0	0.5	1.0	2.0	1.0	2.0	7.5	5.5	7.0	8.0	7.5	8.0
4	1.5	0.5	1.0	1.0	0	0.5	5.5	4.5	5.0	8.0	7.5	7.5
5	1.0	0.5	1.0	1.0	0.5	1.0	4.5	3.5	4.0	7.0	6.5	7.0
6	1.5	1.0	1.5	---	---	---	4.0	3.5	3.5	---	---	---
7	2.0	0.5	1.0	---	---	---	3.5	3.0	3.5	---	---	---
8	1.5	0.5	1.0	2.0	1.5	2.0	4.5	3.0	4.0	---	---	---
9	1.5	1.0	1.5	2.5	1.0	2.0	6.0	4.0	5.0	---	---	---
10	1.5	0.5	1.0	2.5	1.0	2.0	6.5	5.5	6.0	---	---	---
11	1.5	0.5	1.0	2.0	1.0	1.5	6.5	5.0	6.0	---	---	---
12	2.0	1.0	1.5	3.0	1.0	2.0	7.0	6.0	6.5	---	---	---
13	2.0	1.5	2.0	2.5	1.5	2.0	6.5	6.0	6.5	---	---	---
14	3.5	2.0	2.5	2.0	1.0	1.5	6.5	5.5	6.0	---	---	---
15	2.5	1.5	2.0	3.5	1.5	2.5	5.0	4.5	5.0	---	---	---
16	3.5	1.5	2.5	6.0	2.5	4.5	5.0	4.5	4.5	---	---	---
17	3.0	1.5	2.0	5.0	3.0	4.0	5.5	4.0	4.5	---	---	---
18	3.5	2.0	2.5	3.5	1.5	2.5	6.0	5.0	5.5	---	---	---
19	2.5	2.0	2.5	2.5	2.0	2.0	7.5	5.0	6.5	---	---	---
20	2.0	0.5	1.5	2.0	1.0	1.5	8.0	7.5	8.0	---	---	---
21	1.5	1.0	1.5	2.5	1.0	2.0	7.5	7.0	7.5	---	---	---
22	2.5	0.5	2.0	4.0	1.5	3.0	7.5	6.5	7.0	---	---	---
23	2.0	1.5	2.0	5.0	3.0	4.0	7.0	6.5	7.0	---	---	---
24	2.0	1.5	1.5	4.5	3.0	3.5	7.5	6.5	7.0	---	---	---
25	3.5	1.5	2.5	4.0	1.5	3.0	7.0	6.5	6.5	---	---	---
26	4.0	2.0	3.0	4.0	2.0	3.0	7.0	6.0	6.5	17.5	17.0	17.0
27	3.0	2.5	2.5	5.0	2.5	4.0	8.0	6.5	7.0	17.0	16.0	16.0
28	3.0	1.5	2.5	6.0	3.0	4.5	7.5	7.0	7.5	16.5	15.0	16.0
29	---	---	---	6.5	4.5	5.5	7.0	7.0	7.0	17.0	15.0	16.0
30	---	---	---	6.5	5.0	6.0	7.0	6.0	6.5	16.0	15.5	15.5
31	---	---	---	6.0	5.5	5.5	---	---	---	16.0	15.5	16.0
MONTH	4.0	0.5	1.5	6.5	0	3.0	8.0	3.0	6.0	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.0	15.0	16.0	27.5	26.0	26.5	27.0	26.0	26.5	23.0	21.5	22.5
2	17.5	16.0	17.0	26.5	26.0	26.0	27.0	26.0	26.5	23.0	21.5	22.5
3	18.0	16.5	17.5	26.5	25.0	25.5	27.0	25.5	26.0	23.5	21.5	22.5
4	19.0	17.5	18.0	27.5	25.0	26.0	26.5	25.0	26.0	24.0	22.5	23.0
5	20.0	18.0	19.0	28.0	24.5	26.0	26.0	24.5	25.5	25.5	23.0	24.0
6	20.5	18.5	19.5	27.5	24.5	26.0	26.0	24.5	25.0	25.0	23.5	24.5
7	21.5	18.5	20.5	27.0	25.5	26.5	26.0	24.5	25.5	24.0	23.0	23.5
8	23.0	21.0	22.0	28.0	26.0	27.0	27.5	25.0	26.5	25.0	23.0	24.0
9	23.0	21.5	22.5	28.0	26.5	27.5	27.5	26.0	26.5	25.5	24.0	24.5
10	23.0	20.5	22.0	28.0	26.5	27.0	28.0	26.5	27.0	25.5	24.0	24.5
11	22.5	21.0	22.0	27.0	25.5	26.5	27.5	26.5	27.0	24.5	23.5	24.0
12	22.5	21.0	22.0	27.0	25.0	26.0	27.5	25.5	26.5	25.0	24.0	24.5
13	23.0	21.5	22.0	26.0	24.0	25.0	27.0	25.0	26.5	24.5	24.0	24.0
14	22.5	21.5	22.0	26.5	24.0	25.5	28.5	25.0	26.5	24.5	23.5	24.0
15	23.0	21.0	22.0	26.0	25.0	25.5	27.5	25.5	26.5	24.5	23.5	24.0
16	23.5	21.0	22.0	26.5	25.0	25.5	27.0	24.5	26.0	24.5	23.5	24.0
17	24.5	20.5	22.5	26.0	25.0	25.5	27.0	24.5	25.5	24.5	23.0	24.0
18	24.5	21.5	23.0	26.0	24.5	25.0	27.5	25.0	26.5	23.5	23.0	23.0
19	25.0	23.0	24.0	24.5	24.0	24.5	27.5	26.0	26.5	---	---	---
20	26.0	23.5	24.5	25.5	23.5	24.5	27.5	26.5	27.0	---	---	---
21	26.0	23.5	25.0	26.0	24.0	25.0	28.0	26.0	27.0	---	---	---
22	26.5	24.5	25.5	26.5	24.0	25.0	29.0	25.5	27.0	---	---	---
23	27.5	25.0	26.0	27.0	25.0	26.0	27.0	25.5	26.0	---	---	---
24	27.5	25.5	26.5	27.0	25.0	26.0	25.5	24.0	24.5	---	---	---
25	27.0	25.5	26.5	28.0	25.5	27.0	25.5	23.5	24.5	---	---	---
26	27.5	25.5	26.5	27.0	26.0	26.5	24.0	23.5	24.0	---	---	---
27	27.0	25.5	26.0	27.5	26.0	27.0	24.0	23.0	23.5	---	---	---
28	27.5	25.5	26.0	28.0	25.5	27.0	22.5	21.5	22.0	---	---	---
29	25.5	25.0	25.0	28.0	25.5	27.0	22.5	21.0	22.0	20.0	19.5	20.0
30	26.0	24.5	25.0	27.0	26.0	26.5	22.5	21.0	22.0	21.0	19.5	20.0
31	---	---	---	27.0	26.0	26.5	23.0	21.5	22.0	---	---	---
MONTH	27.5	15.0	22.5	28.0	23.5	26.0	29.0	21.0	25.5	---	---	---
YEAR	29.0	0	12.5									

01188000 BURLINGTON BROOK NEAR BURLINGTON, CONN.

LOCATION.--Lat 41°47'10", long 72°57'55", HARTFORD COUNTY, at gaging station on left bank, 1.2 miles north of Burlington, 3 miles upstream from mouth, and 3 miles southwest of Collinsville.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)
OCT.												
14...	1145	--	10	150	10	5.0	1.7	6.6	1.0	16	0	7.5
A14...	1145	1.3	--	--	--	--	--	--	--	--	--	--
NOV.												
11...	1245	--	10	90	20	5.1	1.7	7.0	1.0	12	0	9.0
A11...	1245	3.3	--	--	--	--	--	--	--	--	--	--
DEC.												
09...	1350	--	10	80	60	5.1	1.7	6.4	.9	8	0	9.3
A09...	1350	3.0	--	--	--	--	--	--	--	--	--	--
JAN.												
13...	1430	--	10	70	50	5.6	1.8	5.9	.8	9	0	10
A13...	1430	3.6	--	--	--	--	--	--	--	--	--	--
FEB.												
10...	1310	--	9.5	250	60	5.0	1.5	9.0	.9	9	0	7.9
A10...	1310	1.7	--	--	--	--	--	--	--	--	--	--
MAR.												
10...	1240	--	7.6	80	0	4.5	1.7	5.3	1.0	8	0	8.1
A10...	1240	12	--	--	--	--	--	--	--	--	--	--
APR.												
14...	1135	--	5.6	120	50	2.5	1.1	3.7	.6	6	0	8.0
A14...	1135	16	--	--	--	--	--	--	--	--	--	--
MAY												
12...	1105	--	5.9	120	0	4.0	1.3	--	--	9	0	7.5
A12...	1105	9.7	--	--	--	--	--	--	--	--	--	--
JUNE												
09...	1150	--	9.1	200	30	3.6	1.4	5.9	1.0	11	0	6.8
A09...	1150	4.3	--	--	--	--	--	--	--	--	--	--
JULY												
14...	1205	--	11	410	0	5.0	1.8	7.4	.9	14	0	6.5
A14...	1205	2.3	--	--	--	--	--	--	--	--	--	--
AUG.												
18...	1050	--	9.1	330	0	4.6	1.5	7.0	.8	14	0	9.3
A18...	1050	1.5	--	--	--	--	--	--	--	--	--	--
SEP.												
15...	1235	--	6.4	250	70	3.1	1.0	3.1	1.0	6	0	10
A15...	1235	40	--	--	--	--	--	--	--	--	--	--

TEMPERATURE (°C) OF WATER, OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	----	----	----	----	----	---	----	0.0	0.0	4.0	0.5
2	---	----	----	----	----	----	---	----	0.0	0.0	5.0	0.0
3	----	----	----	----	----	----	----	----	0.0	0.0	1.5	0.5
4	----	----	----	----	----	----	----	----	0.0	0.0	0.5	0.5
5	----	----	----	----	----	----	----	----	0.0	0.0	0.5	0.5
6	----	----	----	----	----	----	----	----	0.0	0.0	1.5	0.0
7	----	----	----	----	----	----	----	----	0.0	0.0	0.5	0.5
8	----	----	----	----	----	----	----	----	0.0	0.0	2.0	0.5
9	----	----	----	----	----	----	----	----	0.0	0.0	2.0	0.5
10	----	----	----	----	----	----	----	----	0.0	0.0	3.0	0.0
11	----	----	----	----	----	----	----	----	0.0	0.0	1.5	0.5
12	----	----	----	----	----	----	----	----	0.5	0.0	4.0	0.0
13	----	----	----	----	----	----	----	----	0.0	0.0	2.0	1.0
14	----	----	----	----	----	----	----	----	0.0	0.0	3.5	1.5
15	----	----	----	----	----	----	----	----	0.0	0.0	5.0	2.0
16	----	----	----	----	----	----	----	----	0.5	0.0	1.0	0.5
17	----	----	----	----	----	----	----	----	0.0	0.0	4.0	0.5
18	----	----	----	----	----	----	0.0	0.0	1.5	0.0	4.0	0.0
19	----	----	----	----	----	----	0.0	0.0	1.5	0.0	1.5	0.0
20	----	----	----	----	----	----	0.0	0.0	0.5	0.0	3.0	0.0
21	----	----	----	----	----	----	0.5	0.0	1.0	0.0	4.5	0.5
22	----	----	----	----	----	----	0.5	0.0	1.5	0.5	4.5	0.0
23	----	----	----	----	----	----	0.5	0.0	1.5	0.5	5.0	1.0
24	----	----	----	----	----	----	0.5	0.0	2.0	0.5	3.5	0.0
25	----	----	----	----	----	----	1.0	0.5	3.0	1.0	4.0	0.0
26	----	----	----	----	----	----	1.0	0.5	3.5	0.0	3.5	0.0
27	----	----	----	----	----	----	0.5	0.0	1.5	0.0	5.5	0.5
28	----	----	----	----	----	----	0.5	0.0	3.0	0.0	6.0	0.5
29	----	----	----	----	----	----	0.5	0.0	----	----	5.5	0.0
30	----	----	----	----	----	----	0.5	0.0	----	----	6.0	1.5
31	----	----	----	----	----	----	0.5	0.0	----	----	6.5	1.5
MONTH	----	----	----	----	----	----	----	----	3.5	0.0	6.5	0.0

01188000 BURLINGTON BROOK NEAR BURLINGTON, CONN.--Continued

DRAINAGE AREA.--4.12 sq mi

PERIOD OF RECORD.--Chemical analyses: June 1968 to September 1971
Water temperature: January to September 1971 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
OCT.												
14...	13	.0	.2	.02	51	53	.07	20	8	13	82	7.0
A14...	--	--	--	--	--	--	--	--	--	--	92	6.7
NOV.												
11...	13	.1	.8	.08	55	54	.07	20	10	10	90	6.7
A11...	--	--	--	--	--	--	--	--	--	--	92	6.4
DEC.												
09...	12	.1	1.2	.06	52	51	.07	21	14	7	84	6.7
A09...	--	--	--	--	--	--	--	--	--	--	95	6.6
JAN.												
13...	10	--	.8	.04	53	49	.07	22	14	7	79	6.8
A13...	--	--	--	--	--	--	--	--	--	--	86	6.7
FEB.												
10...	18	--	1.1	.02	61	--	.08	18	11	7	97	6.7
A10...	--	--	--	--	--	--	--	--	--	--	115	7.2
MAR.												
10...	9.6	.1	1.7	.04	47	44	.06	18	12	7	70	6.6
A10...	--	--	--	--	--	--	--	--	--	--	82	7.5
APR.												
14...	5.6	.1	1.1	.03	30	31	.04	11	6	5	51	6.6
A14...	--	--	--	--	--	--	--	--	--	--	51	7.5
MAY												
12...	7.8	.1	.5	.04	47	--	.06	15	8	7	59	6.9
A12...	--	--	--	--	--	--	--	--	--	--	60	6.8
JUNE												
09...	11	.0	.8	.18	54	45	.07	15	6	9	69	6.8
A09...	--	--	--	--	--	--	--	--	--	--	72	7.2
JULY												
14...	13	.0	.9	.06	--	53	.07	20	8	11	81	6.9
A14...	--	--	--	--	--	--	--	--	--	--	84	6.9
AUG.												
18...	12	.1	.9	.09	--	48	.07	18	6	11	78	7.0
A18...	--	--	--	--	--	--	--	--	--	--	85	7.1
SEP.												
15...	3.8	.1	.4	.06	--	32	.04	12	7	5	45	6.0
A15...	--	--	--	--	--	--	--	--	--	--	46	5.9

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.0	1.0	12.2	5.5	17.0	10.5	20.5	18.0	20.5	18.5	16.5	13.0
2	7.0	3.0	11.0	7.5	16.0	11.0	19.0	18.0	20.0	18.5	16.0	12.0
3	8.0	3.5	9.0	8.0	16.5	12.5	19.0	15.5	21.5	18.5	20.5	14.0
4	8.5	2.5	9.0	7.0	19.0	13.0	19.5	16.0	19.5	17.0	20.0	15.5
5	5.5	3.5	14.0	6.0	18.0	13.5	20.5	16.0	20.0	16.0	21.0	17.0
6	6.0	2.0	10.5	8.5	16.0	10.5	22.0	17.0	20.5	16.0	19.0	16.5
7	4.0	1.0	15.0	6.0	20.0	13.0	22.0	18.0	23.0	16.5	18.5	16.0
8	6.5	1.0	11.5	8.5	22.0	16.5	23.0	18.0	22.0	16.0	20.0	17.0
9	8.5	1.5	8.5	8.0	19.0	14.0	22.0	18.0	23.5	17.0	20.5	17.0
10	5.0	3.0	13.5	7.5	18.0	13.0	21.5	18.0	23.0	18.0	19.5	16.0
11	9.5	2.5	17.5	8.0	17.0	11.5	19.0	16.0	23.5	19.5	18.0	16.0
12	11.5	3.5	16.0	11.0	18.0	13.5	20.5	15.0	20.0	18.0	19.5	16.0
13	11.5	5.0	14.0	9.5	18.0	14.5	21.5	15.0	19.5	17.0	19.0	16.0
14	9.5	5.0	16.0	8.5	17.5	15.0	21.0	17.5	21.5	19.5	19.0	16.0
15	9.0	2.5	15.0	8.0	17.0	13.5	21.0	16.0	20.0	19.5	19.5	16.0
16	5.5	3.5	14.0	9.5	15.5	12.0	21.0	16.5	20.5	15.0	20.5	16.5
17	10.0	2.5	17.0	9.0	18.0	12.0	21.0	17.0	21.0	14.0	18.5	16.5
18	8.5	4.0	19.0	10.5	19.0	14.5	20.5	16.5	21.7	19.0	19.0	17.0
19	13.5	5.5	19.5	12.0	20.0	15.0	16.5	15.5	20.5	19.5	18.0	15.0
20	14.0	6.5	19.0	13.0	21.0	16.5	19.0	15.5	20.5	16.0	16.0	14.0
21	12.0	7.0	15.0	12.5	21.0	17.0	19.0	17.0	20.5	17.0	17.0	15.0
22	10.5	7.0	15.5	11.0	22.0	18.0	21.0	16.0	21.5	17.0	16.0	14.0
23	11.0	6.0	16.0	9.0	20.5	17.0	23.0	17.0	19.5	16.0	15.0	9.5
24	12.5	4.5	16.5	8.5	21.5	17.0	23.0	18.0	18.0	15.5	15.5	13.0
25	8.5	5.5	17.5	12.0	21.5	16.5	21.5	19.0	16.5	11.5	14.0	11.5
26	9.0	6.0	16.5	13.5	21.0	18.0	20.5	18.5	18.5	14.5	13.5	12.0
27	11.5	6.0	13.5	10.5	21.0	16.0	23.5	18.5	15.0	14.0	14.0	13.0
28	8.5	5.5	15.5	9.0	20.5	16.0	23.0	16.5	18.5	15.0	14.5	13.5
29	7.0	6.0	16.0	9.0	18.5	16.0	21.0	17.0	19.0	16.0	16.0	14.5
30	8.5	6.0	12.0	11.0	22.0	18.0	18.0	17.0	19.0	15.0	16.5	15.0
31	----	----	14.0	12.0	----	----	19.5	17.0	18.5	16.0	----	----
MONTH	14.0	1.0	19.5	5.5	22.0	10.5	23.5	15.0	23.5	11.5	21.0	9.5
YEAR	23.5	0.5										

01188000 BURLINGTON BROOK NEAR BURLINGTON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TUR-BID-ITY (JTU)	TUR-BID-ITY (MG/L)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.												
14...	--	0	--	--	--	--	--	--	--	--	41	.7
A14...	--	--	15.0	22.0	8.5	83	--	1600	17	50	--	--
NOV.												
11...	--	1	--	--	--	--	--	--	--	--	42	.7
A11...	--	--	8.0	14.1	8.5	71	--	440	2	22	--	--
DEC.												
09...	--	1	--	--	--	--	--	--	--	--	40	.6
A09...	--	--	1.0	1.0	10.7	75	--	11	0	2	--	--
JAN.												
13...	--	1	--	--	--	--	--	--	--	--	36	.6
A13...	--	--	2.0	--	10.0	72	--	430	6	15	--	--
FEB.												
10...	--	1	--	--	--	--	--	--	--	--	50	.9
A10...	--	--	1.0	-6.5	12.0	85	--	100	--	4	--	--
MAR.												
10...	--	0	--	--	--	--	--	--	--	--	37	.5
A10...	--	--	3.0	1.7	9.0	67	--	50	20	300	--	--
APR.												
14...	--	1	--	--	--	--	--	--	--	--	41	.5
A14...	--	--	9.0	12.0	8.7	75	--	10	4	0	--	--
MAY												
12...	--	1	--	--	--	--	--	--	--	--	--	--
A12...	--	--	14.0	24.0	7.0	67	--	530	2	5	--	--
JUNE												
09...	1	1	--	--	--	--	6	--	--	--	44	.7
A09...	--	--	18.5	25.0	7.4	79	--	370	80	190	--	--
JULY												
14...	1	1	--	--	--	--	--	--	--	--	43	.7
A14...	--	--	21.5	24.0	7.2	79	--	3000	82	5800	--	--
AUG.												
18...	1	1	--	--	--	--	--	--	--	--	45	.7
A18...	--	--	18.0	26.0	8.2	86	--	1100	20	240	--	--
SEP.												
15...	2	6	--	--	--	--	--	--	--	--	34	.6
A15...	--	--	18.0	23.0	7.5	71	--	8000	280	2000	--	--

01189000 PEQUABUCK RIVER AT FORESTVILLE, CONN.

LOCATION.--Lat 41°40'23", long 72°54'04", Hartford County, at gaging station on left bank 500 ft upstream from bridge on Central Street, a quarter of mile downstream from Copper Mine Brook, and 6.5 miles upstream from mouth.

DRAINAGE AREA.--45.2 sq mi.

PERIOD OF RECORD.--Chemical analyses: January 1971 to September 1971 (discontinued).
Water temperature: January 1971 to September 1971 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)
OCT.												
01...	1520	17	--	--	--	--	--	--	--	--	--	--
02...	0934	17	--	--	--	--	--	--	--	--	--	--
JAN.												
29...	1145	--	11	50	220	16	4.2	36	4.5	21	0	67
A29...	1145	23	--	--	--	--	--	--	--	--	--	--
FEB.												
10...	1515	--	6.5	120	180	15	2.6	80	3.5	9	0	61
A10...	1515	42	--	--	--	--	--	--	--	--	--	--
MAR.												
10...	0900	--	8.1	130	130	15	3.3	19	2.0	22	0	26
A10...	0900	75	--	--	--	--	--	--	--	--	--	--
APR.												
14...	0945	--	7.2	120	80	9.0	2.6	11	1.4	20	0	17
A14...	0945	200	--	--	--	--	--	--	--	--	--	--
MAY												
12...	0930	--	7.3	--	80	11	2.6	--	--	26	0	21
A12...	0930	95	--	--	--	--	--	--	--	--	--	--
JUNE												
09...	1000	--	10	140	320	15	3.5	26	8.2	29	0	57
A09...	1000	50	--	--	--	--	--	--	--	--	--	--
JULY												
14...	0930	--	8.6	590	--	18	4.0	26	4.5	34	0	61
A14...	0930	26	--	--	--	--	--	--	--	--	--	--
AUG.												
18...	1100	--	10	80	120	18	4.2	38	4.8	26	0	55
A18...	1100	19	--	--	--	--	--	--	--	--	--	--
23...	1330	--	11	110	130	18	4.3	32	5.9	83	0	45
A23...	1330	16	--	--	--	--	--	--	--	--	--	--
SEP.												
15...	0945	--	8.2	220	80	7.1	1.8	7.3	1.5	16	0	15
A15...	0945	171	--	--	--	--	--	--	--	--	--	--

01189000 PEQUABUCK RIVER AT FORESTVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT.											
01...	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
29...	39	--	23	2.9	190	194	.26	57	40	17	327
A29...	--	--	--	--	--	--	--	--	--	--	330
FEB.											
10...	110	--	5.9	1.6	283	295	.38	68	61	7	557
A10...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
10...	30	.1	8.5	.62	124	122	.17	51	33	18	221
A10...	--	--	--	--	--	--	--	--	--	--	--
APR.											
14...	18	.1	5.5	.51	81	81	.11	33	17	16	162
A14...	--	--	--	--	--	--	--	--	--	--	130
MAY											
12...	21	--	4.3	.08	105	82	.14	37	16	21	169
A12...	--	--	--	--	--	--	--	--	--	--	167
JUNE											
09...	30	.2	.1	1.3	159	137	.22	52	32	21	253
A09...	--	--	--	--	--	--	--	--	--	--	--
JULY											
14...	30	.3	16	2.0	--	166	.23	61	36	20	279
A14...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
19...	36	.7	20	4.0	--	208	.28	62	41	21	347
A19...	--	--	--	--	--	--	--	--	--	--	--
23...	37	--	26	6.1	--	216	.29	65	46	19	331
A23...	--	--	--	--	--	--	--	--	--	--	305
SEP.											
15...	9.6	.2	1.9	.28	--	61	.08	25	12	13	98
A15...	--	--	--	--	--	--	--	--	--	--	--

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCTOBER MAX	OCTOBER MIN	NOVEMBER MAX	NOVEMBER MIN	DECEMBER MAX	DECEMBER MIN	JANUARY MAX	JANUARY MIN	FEBRUARY MAX	FEBRUARY MIN	MARCH MAX	MARCH MIN
1	----	----	----	----	----	----	----	----	415	370	180	170
2	----	----	----	----	----	----	----	----	398	350	190	180
3	----	----	----	----	----	----	----	----	375	330	220	180
4	----	----	----	----	----	----	----	----	340	295	440	220
5	----	----	----	----	----	----	----	----	1100	295	390	180
6	----	----	----	----	----	----	365	320	1000	550	228	190
7	----	----	----	----	----	----	385	325	790	400	470	160
8	----	----	----	----	----	----	700	310	575	315	195	185
9	----	----	----	----	----	----	360	290	575	415	210	195
10	----	----	----	----	----	----	307	200	415	300	220	180
11	----	----	----	----	----	----	400	270	360	270	440	180
12	----	----	----	----	----	----	400	315	442	260	260	200
13	----	----	----	----	----	----	380	320	425	260	220	197
14	----	----	----	----	----	----	355	295	250	252	205	195
15	----	----	----	----	----	----	420	280	294	250	215	85
16	----	----	----	----	----	----	435	285	310	254	165	115
17	----	----	----	----	----	----	505	285	390	270	133	120
18	----	----	----	----	----	----	340	275	1080	315	133	85
19	----	----	----	----	----	----	345	310	490	280	320	78
20	----	----	----	----	----	----	345	300	340	210	225	140
21	----	----	----	----	----	----	1300	265	270	260	210	160
22	----	----	----	----	----	----	1080	265	300	260	163	160
23	----	----	----	----	----	----	1750	360	270	230	163	162
24	----	----	----	----	----	----	700	345	310	245	163	155
25	----	----	----	----	----	----	1380	285	280	205	180	160
26	----	----	----	----	----	----	790	300	220	170	----	----
27	----	----	----	----	----	----	395	280	260	170	----	----
28	----	----	----	----	----	----	325	305	168	160	----	----
29	----	----	----	----	----	----	315	255	----	----	----	----
30	----	----	----	----	----	----	515	260	----	----	----	----
31	----	----	----	----	----	----	540	300	----	----	154	148
MONTH	----	----	----	----	----	----	1750	255	1100	160	470	78

CONNECTICUT RIVER BASIN

01189000 PEQUABUCK RIVER AT FORESTVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	PH (UNITS)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
OCT.											
01...	--	18.0	19.5	--	--	--	--	--	--	--	--
02...	--	14.0	13.0	--	--	--	--	--	--	--	--
JAN.											
29...	6.1	--	--	--	--	--	--	--	--	--	--
A29...	--	2.5	--	--	--	--	--	--	--	55	2.1
FEB.											
10...	5.9	--	--	--	--	--	--	--	--	--	--
A10...	--	.0	--	--	--	--	--	--	--	77	5.0
MAR.											
10...	6.7	--	--	--	--	--	--	--	--	--	--
A10...	--	.5	--	--	--	--	--	--	--	66	1.2
APR.											
14...	7.0	--	--	--	--	--	--	--	--	--	--
A14...	--	9.0	--	--	--	--	--	--	--	61	.8
MAY											
12...	7.0	--	--	--	--	--	--	--	--	--	--
12...	--	15.0	24.0	--	--	--	--	--	--	--	--
JUNE											
09...	6.5	--	--	--	--	22	--	--	--	60	1.5
A09...	--	21.0	--	--	--	--	--	--	--	--	--
JULY											
14...	6.6	--	--	--	--	--	--	--	--	--	--
A14...	--	21.5	--	--	--	--	--	--	--	66	1.6
AUG.											
19...	7.0	--	--	--	--	--	--	--	--	--	--
A19...	--	24.0	--	--	--	--	--	--	--	55	2.1
23...	6.2	--	--	--	--	--	--	--	--	--	--
A23...	7.3	27.0	--	9.2	113	--	350	290	62	58	1.8
SEP.											
15...	6.8	--	--	--	--	--	--	--	--	--	--
A15...	--	21.5	--	--	--	--	--	--	--	37	.6

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	146	135	170	155	300	215	360	280	272	170	---	---
2	175	129	172	165	240	190	360	---	290	220	---	---
3	175	130	178	123	245	110	230	150	330	290	---	---
4	170	128	165	125	190	145	260	230	325	300	330	---
5	155	125	160	130	200	190	260	260	320	300	280	265
6	130	120	160	120	213	190	260	250	330	290	300	260
7	220	120	240	125	250	230	270	255	330	290	320	250
8	120	115	240	125	365	250	300	270	305	275	310	275
9	125	115	150	140	275	240	330	290	310	275	305	265
10	125	110	170	145	290	255	300	300	320	270	305	240
11	125	125	190	170	300	270	300	290	690	220	285	255
12	136	125	170	140	305	300	290	260	270	160	---	---
13	150	136	150	65	300	270	280	250	275	260	---	---
14	150	150	95	75	320	280	300	200	295	280	---	---
15	145	126	115	105	325	300	310	260	295	275	---	---
16	157	145	125	110	310	---	310	280	305	271	---	---
17	162	145	155	120	315	295	320	300	315	300	170	150
18	175	130	155	145	340	295		---	---	310	170	170
19	160	138	175	165	340	295		---	---	320	170	160
20	180	165	---	---	330	280		---	---	355	215	175
21	182	160	---	---	335	300	380	---	350	330	210	150
22	---	---	---	---	350	310	380	350	330	300	170	145
23	---	---	---	---	340	330	380	350	315	270	180	165
24	---	---	---	---	370	340	370	350	320	265	185	170
25	---	---	---	---	310	270	350	325	310	295	170	155
26	---	---	---	---	310	270	325	325	320	203	155	---
27	---	---	210	190	320	290	33	310	---	---	---	---
28	230	140	220	200	340	300	330	220	---	---	---	---
29	165	112	215	210	320	310	310	160	---	---	---	---
30	180	140	230	170	340	310	215	155	---	---	---	---
31	---	---	195	175	---	---	265	155	---	---	---	---
MONTH	230	110	---	---	370	110	380	150	---	160	---	---

CONNECTICUT RIVER BASIN

01189000 PEQUABUCK RIVER AT FORESTVILLE, CONN.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	2.0	0.0	6.0	2.0
2	---	---	---	---	---	---	---	---	3.5	0.0	5.0	1.5
3	---	---	---	---	---	---	---	---	4.0	0.0	4.0	0.5
4	---	---	---	---	---	---	---	---	4.5	0.5	1.5	0.5
5	---	---	---	---	---	---	---	---	3.5	1.0	5.0	0.5
6	---	---	---	---	---	---	---	---	4.5	1.5	6.5	1.5
7	---	---	---	---	---	---	3.5	0.5	4.5	0.5	4.0	1.5
8	---	---	---	---	---	---	3.0	0.5	5.0	0.5	4.5	1.0
9	---	---	---	---	---	---	3.0	0.5	7.5	1.5	5.0	0.5
10	---	---	---	---	---	---	3.5	1.0	3.0	0.0	6.5	0.5
11	---	---	---	---	---	---	5.5	1.0	4.0	0.0	4.5	2.0
12	---	---	---	---	---	---	6.0	1.5	6.0	1.5	5.5	2.5
13	---	---	---	---	---	---	3.5	0.0	5.0	1.0	5.0	4.0
14	---	---	---	---	---	---	3.0	0.5	2.5	0.5	6.5	4.0
15	---	---	---	---	---	---	4.5	0.5	4.0	0.0	8.0	4.5
16	---	---	---	---	---	---	1.5	0.0	6.0	1.0	8.0	3.5
17	---	---	---	---	---	---	1.5	0.0	5.0	1.0	5.5	2.0
18	---	---	---	---	---	---	3.0	0.0	5.0	3.0	6.0	1.0
19	---	---	---	---	---	---	3.5	0.0	8.0	3.5	3.5	1.5
20	---	---	---	---	---	---	4.0	0.0	9.0	3.5	5.0	1.5
21	---	---	---	---	---	---	3.5	0.5	4.5	3.0	6.0	2.0
22	---	---	---	---	---	---	5.5	2.5	5.0	3.5	6.5	1.5
23	---	---	---	---	---	---	5.0	1.5	4.5	2.0	7.0	3.0
24	---	---	---	---	---	---	4.5	0.0	5.0	2.0	4.5	1.0
25	---	---	---	---	---	---	6.0	3.0	6.5	3.0	6.0	0.5
26	---	---	---	---	---	---	4.5	0.5	7.0	2.0	5.5	1.0
27	---	---	---	---	---	---	1.0	0.0	4.5	2.0	7.0	1.0
28	---	---	---	---	---	---	2.5	0.0	6.0	1.5	8.5	2.0
29	---	---	---	---	---	---	3.5	0.0	---	---	8.0	4.5
30	---	---	---	---	---	---	4.0	1.0	---	---	8.0	3.5
31	---	---	---	---	---	---	3.5	0.0	---	---	8.5	3.0
MONTH	---	---	---	---	---	---	6.0	0.0	9.0	0.0	8.5	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	9.0	3.0	15.0	7.0	---	---	29.0	23.5	24.5	22.0	22.0	16.0
2	10.5	5.5	13.0	9.5	19.0	15.5	25.5	21.0	25.0	22.0	21.5	16.0
3	10.0	6.0	11.5	9.5	19.5	15.0	27.0	16.0	26.5	23.0	23.5	18.5
4	10.5	6.5	11.0	9.0	23.0	16.0	28.5	17.0	25.5	23.0	26.0	20.0
5	8.0	5.5	16.0	8.0	21.5	16.5	28.0	18.5	26.0	21.5	26.0	20.5
6	7.5	4.5	13.0	10.5	21.0	13.5	28.0	18.5	26.5	18.5	23.5	21.0
7	6.0	1.0	17.5	9.0	24.5	15.0	27.5	20.5	27.0	19.0	23.5	20.0
8	8.5	2.5	15.5	10.0	26.5	19.5	28.5	19.0	28.0	19.0	24.5	20.5
9	10.0	3.0	10.5	9.5	21.5	17.0	26.5	19.5	28.5	20.5	25.5	20.5
10	7.5	5.0	14.5	9.5	23.0	15.0	28.0	19.5	27.0	21.0	24.5	19.5
11	11.0	6.0	16.0	10.0	21.0	14.5	22.0	18.5	26.5	22.5	21.5	19.5
12	13.0	5.5	17.0	13.5	21.5	15.0	28.0	16.5	26.5	20.0	21.0	20.0
13	13.5	7.0	15.0	11.0	21.5	17.0	25.5	16.5	24.5	17.0	20.5	19.5
14	12.5	7.0	15.5	10.5	20.5	17.0	26.0	---	26.0	18.0	20.0	18.5
15	11.0	6.5	16.5	10.5	21.0	16.0	25.5	17.0	23.5	18.0	21.0	18.5
16	8.0	5.5	15.0	11.0	23.0	15.5	25.0	18.0	24.0	18.0	23.5	18.5
17	11.5	4.5	20.0	11.0	24.5	17.0	26.5	19.0	25.5	17.0	21.0	20.0
18	10.0	5.5	19.0	13.5	25.0	19.0	28.0	17.5	26.0	18.5	21.5	20.0
19	13.5	7.0	19.5	15.5	25.0	19.0	28.5	17.0	24.0	19.0	20.5	18.0
20	16.5	9.0	19.5	15.0	24.5	19.5	29.0	18.5	26.0	20.5	21.0	20.0
21	14.5	10.0	16.5	14.5	24.5	20.0	28.5	17.0	25.5	20.0	20.5	18.0
22	12.0	8.5	17.0	13.0	26.0	21.0	26.0	18.5	27.0	19.0	20.5	16.0
23	14.5	7.5	18.0	12.0	25.5	20.5	28.0	18.5	25.5	19.5	19.0	15.0
24	15.0	7.0	19.5	12.0	26.5	21.0	26.0	20.0	23.5	13.5	20.0	15.0
25	10.5	6.5	19.5	14.5	26.0	21.0	24.0	20.0	23.5	14.5	18.5	13.0
26	11.0	7.0	17.5	14.5	27.0	21.5	23.5	20.0	24.5	15.0	16.0	14.0
27	13.5	8.0	17.0	13.5	27.0	19.0	27.0	21.5	19.5	17.0	17.0	14.5
28	10.5	8.0	17.5	15.0	25.5	20.5	27.0	19.0	20.0	16.0	17.0	16.0
29	9.0	8.0	19.0	13.5	23.5	19.0	25.0	20.0	21.5	17.0	20.0	17.0
30	11.0	8.0	15.0	14.0	29.0	18.0	21.0	20.0	24.0	18.0	20.5	17.0
31	---	---	---	---	---	---	24.5	20.5	23.5	18.5	---	---
MONTH	16.5	1.0	20.0	7.0	29.0	13.5	29.0	16.0	28.5	13.5	26.0	13.0

01189995 FARMINGTON RIVER AT TARIFFVILLE, CONN.

LOCATION.--Lat 41°54'30", long 72°45'40", Hartford County, at gaging station on right bank at Tariffville, behind house at 20 Tunxis Road, 0.3 mile downstream from bridge on State Highway 189 and 5.5 miles upstream from gage at Rainbow.

DRAINAGE AREA.--571 sq mi.

PERIOD OF RECORD.--Chemical analyses: January 1971 to September 1971.
Water temperature: January 1971 to September 1971 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)
JAN.												
29...	1600	--	7.3	240	50	11	2.4	13	1.5	22	0	14
A29...	1600	760	--	--	--	--	--	--	--	--	--	--
FEB.												
10...	1505	--	7.1	200	70	13	2.5	18	1.5	30	0	14
A10...	1505	620	--	--	--	--	--	--	--	--	--	--
MAR.												
10...	1420	--	6.6	140	0	10	2.2	9.8	1.2	20	0	12
A10...	1420	1600	--	--	--	--	--	--	--	--	--	--
APR.												
14...	1330	--	5.3	110	40	6.7	1.6	5.4	.8	14	0	11
A14...	1330	2700	--	--	--	--	--	--	--	--	--	--
MAY												
12...	1130	--	5.0	--	--	6.5	1.6	5.5	.9	16	0	11
A12...	1130	2100	--	--	--	--	--	--	--	--	--	--
JUNE												
09...	1325	--	6.2	920	90	11	2.1	8.4	1.7	26	0	15
A09...	1325	720	--	--	--	--	--	--	--	--	--	--
JULY												
14...	1340	--	3.5	160	80	10	2.3	9.6	1.3	20	0	12
A14...	1340	510	--	--	--	--	--	--	--	--	--	--
AUG.												
18...	1350	--	4.5	150	0	13	2.6	10	1.5	33	0	13
A18...	1350	180	--	--	--	--	--	--	--	--	--	--
23...	1910	--	3.2	170	50	13	2.8	12	1.8	35	0	17
A23...	1910	233	--	--	--	--	--	--	--	--	--	--
SEP.												
15...	1130	--	8.5	200	40	8.0	1.7	5.8	1.4	19	0	12
A15...	1130	880	--	--	--	--	--	--	--	--	--	--

01189995 FARMINGTON RIVER AT TARIFFVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)
JAN.												
29...	21	--	6.1	.70	88	89	.12	37	19	18	159	6.7
A29...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
10...	31	--	6.0	1.2	102	109	.14	42	18	25	197	6.9
A10...	--	--	--	--	--	--	--	--	--	--	240	7.3
MAR.												
10...	17	.1	2.7	.28	80	80	.11	34	18	16	128	6.8
A10...	--	--	--	--	--	--	--	--	--	--	140	7.6
APR.												
14...	8.7	.1	1.6	.09	56	48	.08	23	12	11	85	6.9
A14...	--	--	--	--	--	--	--	--	--	--	87	6.9
MAY												
12...	9.2	--	1.6	.23	54	49	.07	23	10	13	88	6.8
A12...	--	--	--	--	--	--	--	--	--	--	87	6.9
JUNE												
09...	14	--	6.5	.90	79	77	.11	36	15	21	129	6.8
A09...	--	--	--	--	--	--	--	--	--	--	125	6.7
JULY												
14...	14	.0	2.6	.64	--	67	.09	34	18	16	112	6.9
A14...	--	--	--	--	--	--	--	--	--	--	115	7.1
AUG.												
18...	16	.1	.4	1.0	--	79	.11	43	16	27	149	7.1
A18...	--	--	--	--	--	--	--	--	--	--	153	7.3
23...	18	.3	3.5	2.0	--	90	.12	44	15	29	161	8.1
A23...	--	--	--	--	--	--	--	--	--	--	160	6.6
SEP.												
15...	9.3	.1	1.3	.21	--	57	.08	27	11	16	86	6.8
A15...	--	--	--	--	--	--	--	--	--	--	92	6.2

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	197	167	120	113
2	---	---	---	---	---	---	---	---	177	167	112	110
3	---	---	---	---	---	---	---	---	177	173	123	115
4	---	---	---	---	---	---	---	---	175	173	130	123
5	---	---	---	---	---	---	---	---	173	173	143	128
6	---	---	---	---	---	---	---	---	210	173	160	135
7	---	---	---	---	---	---	---	---	213	163	160	140
8	---	---	---	---	---	---	---	---	200	150	145	133
9	---	---	---	---	---	---	---	---	205	190	130	130
10	---	---	---	---	---	---	---	---	200	133	135	130
11	---	---	---	---	---	---	---	---	130	98	135	128
12	---	---	---	---	---	---	---	---	124	108	145	129
13	---	---	---	---	---	---	---	---	175	124	165	132
14	---	---	---	---	---	---	---	---	223	175	195	130
15	---	---	---	---	---	---	---	---	260	220	132	133
16	---	---	---	---	---	---	---	---	285	230	130	123
17	---	---	---	---	---	---	---	---	230	150	119	113
18	---	---	---	---	---	---	---	---	203	165	110	110
19	---	---	---	---	---	---	---	---	223	233	113	113
20	---	---	---	---	---	---	193	182	230	170	118	110
21	---	---	---	---	---	---	182	105	225	190	118	119
22	---	---	---	---	---	---	178	162	210	175	122	118
23	---	---	---	---	---	---	188	120	195	160	122	122
24	---	---	---	---	---	---	140	72	140	140	123	123
25	---	---	---	---	---	---	187	93	140	90	125	123
26	---	---	---	---	---	---	253	187	105	90	128	125
27	---	---	---	---	---	---	253	153	115	105	130	128
28	---	---	---	---	---	---	158	125	115	110	---	---
29	---	---	---	---	---	---	180	135	---	---	---	---
30	---	---	---	---	---	---	220	193	---	---	---	---
31	---	---	---	---	---	---	230	197	---	---	119	115
MONTH	---	---	---	---	---	---	---	---	285	90	160	110

01189995 FARMINGTON RIVER AT TARIFFVILLE, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TUR-BID-ITY (JTU)	TUR-BID-ITY (MG/L)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
JAN.												
29...	--	--	--	--	--	--	--	--	--	--	42	.9
A29...	--	--	.0	--	--	--	--	--	--	--	--	--
FEB.												
10...	--	10	--	--	--	--	--	--	--	--	47	1.2
A10...	--	--	1.0	-5.5	10.0	71	--	25000	--	4000	--	--
MAR.												
10...	--	1	--	--	--	--	--	--	--	--	37	.7
A10...	--	--	4.0	1.9	11.2	85	--	5500	640	700	--	--
APR.												
14...	--	--	--	--	--	--	--	--	--	--	33	.5
A14...	--	--	9.0	12.0	9.8	84	--	5500	1100	630	--	--
MAY												
12...	--	1	--	--	--	--	--	--	--	--	33	.5
A12...	--	1	15.0	25.0	9.0	88	--	4500	330	280	--	--
JUNE												
09...	--	--	--	--	--	--	14	--	--	--	32	.6
A09...	1	2	23.0	24.0	8.0	93	--	9500	1300	620	--	--
JULY												
14...	1	1	--	--	--	--	--	--	--	--	37	.7
A14...	--	--	23.0	25.0	8.0	92	--	40000	3000	700	--	--
AUG.												
18...	--	--	--	--	--	--	--	--	--	--	33	.7
A18...	--	--	26.0	--	7.2	88	--	150000	3700	320	--	--
23...	--	--	--	--	--	--	--	--	--	--	36	.8
A23...	--	--	23.5	--	9.0	105	--	--	--	--	--	--
SEP.												
15...	1	4	--	--	--	--	--	--	--	--	31	.5
A15...	--	--	20.0	26.5	7.0	76	--	40000	2500	1200	--	--

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	115	112	92	90	---	---	115	110	135	130	150	145
2	115	109	96	92	---	---	110	110	135	130	145	---
3	110	91	97	95	---	---	140	110	165	135	---	102
4	91	88	97	92	---	---	135	130	140	120	100	100
5	88	85	93	90	---	---	135	135	150	120	100	90
6	92	85	95	90	---	---	135	135	140	123	95	85
7	98	92	100	95	---	---	135	130	135	135	90	85
8	100	97	100	99	---	---	140	130	140	135	90	90
9	102	100	100	92	---	---	130	130	145	135	110	95
10	102	100	87	80	145	145	130	120	165	145	110	105
11	100	95	82	75	150	145	115	110	165	145	110	105
12	95	90	88	82	160	150	120	115	165	150	110	90
13	89	88	88	80	---	155	115	115	150	140	90	85
14	87	83	80	70	---	---	115	110	140	135	90	85
15	83	80	80	70	---	---	113	110	135	135	100	90
16	85	80	86	80	---	---	112	110	150	135	105	95
17	87	85	86	80	147	140	135	110	160	150	130	105
18	90	87	93	85	135	130	155	135	155	150	155	130
19	87	85	97	95	150	135	165	155	155	155	160	155
20	87	87	97	92	150	---	165	135	155	154	165	150
21	85	85	105	97	---	---	121	115	155	155	---	---
22	86	85	110	109	---	---	115	105	155	155	---	---
23	88	86	115	113	145	---	110	110	155	155	---	---
24	92	88	120	119	145	140	125	105	---	---	---	---
25	96	90	130	125	165	135	135	105	---	---	100	90
26	98	95	130	128	170	135	140	125	---	---	105	100
27	100	96	130	125	135	125	155	125	165	150	105	100
28	101	100	130	128	125	120	160	135	160	145	100	100
29	100	95	130	130	120	110	185	160	145	145	100	100
30	95	90	---	---	115	110	185	130	145	145	105	100
31	---	---	---	---	---	---	130	130	150	145	---	---
MONTH	115	80	130	70	---	---	185	105	165	120	165	85
YEAR	260	70										

01189995 FARMINGTON RIVER AT TARIFFVILLE, CONN.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	0.0	0.0	2.0	1.0
2	---	---	---	---	---	---	---	---	0.0	0.0	2.0	1.0
3	---	---	---	---	---	---	---	---	0.0	0.0	2.0	1.5
4	---	---	---	---	---	---	---	---	0.0	0.0	1.5	1.0
5	---	---	---	---	---	---	---	---	0.5	0.0	1.5	1.0
6	---	---	---	---	---	---	---	---	0.5	0.0	2.0	1.5
7	---	---	---	---	---	---	---	---	0.5	0.0	2.0	1.5
8	---	---	---	---	---	---	---	---	0.5	0.5	2.0	1.5
9	---	---	---	---	---	---	---	---	0.5	0.0	2.0	1.5
10	---	---	---	---	---	---	---	---	0.0	0.0	2.5	1.5
11	---	---	---	---	---	---	---	---	0.5	0.0	2.5	2.0
12	---	---	---	---	---	---	---	---	0.5	0.0	3.0	2.0
13	---	---	---	---	---	---	---	---	0.5	0.5	2.5	2.0
14	---	---	---	---	---	---	---	---	0.5	0.0	3.0	2.5
15	---	---	---	---	---	---	---	---	0.5	0.0	3.5	2.0
16	---	---	---	---	---	---	---	---	0.5	0.0	4.0	3.0
17	---	---	---	---	---	---	---	---	0.0	0.0	3.5	3.0
18	---	---	---	---	---	---	---	---	0.5	0.0	3.0	2.0
19	---	---	---	---	---	---	---	---	0.5	0.0	3.0	1.5
20	---	---	---	---	---	---	0.0	0.0	0.5	0.5	2.0	1.5
21	---	---	---	---	---	---	1.0	0.0	0.0	0.5	3.0	10.5
22	---	---	---	---	---	---	6.0	0.0	0.5	0.5	3.5	2.0
23	---	---	---	---	---	---	4.5	0.5	0.5	0.5	3.5	3.0
24	---	---	---	---	---	---	5.5	0.0	0.5	0.5	4.0	3.0
25	---	---	---	---	---	---	5.5	1.0	1.0	0.5	4.0	3.0
26	---	---	---	---	---	---	3.0	1.0	1.0	0.5	4.0	3.0
27	---	---	---	---	---	---	0.5	0.0	1.0	0.5	4.0	3.0
28	---	---	---	---	---	---	0.0	0.0	1.5	1.0	5.0	3.5
29	---	---	---	---	---	---	0.0	0.0	---	---	5.5	5.0
30	---	---	---	---	---	---	0.0	0.0	---	---	6.0	5.0
31	---	---	---	---	---	---	0.0	0.0	---	---	6.0	5.0
MONTH	---	---	---	---	---	---	---	---	1.5	0.0	6.0	1.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.0	4.5	9.5	8.0	16.5	14.5	23.5	23.0	23.5	19.5	---	---
2	6.5	5.5	10.0	10.0	17.0	16.5	21.5	15.0	23.5	20.5	---	---
3	7.0	5.5	10.5	10.0	17.0	16.5	21.5	15.0	25.0	20.5	19.5	15.5
4	6.5	5.5	10.0	9.5	19.0	16.5	22.5	14.5	21.5	18.5	20.0	19.0
5	6.0	5.5	11.0	9.0	19.5	18.5	23.0	16.0	22.0	17.0	20.5	20.0
6	5.5	5.0	11.5	10.5	18.0	19.0	25.0	17.0	23.5	16.0	20.5	19.0
7	5.0	3.0	12.0	10.5	20.0	18.0	24.5	19.0	24.0	17.0	20.0	19.0
8	4.0	3.0	12.0	11.0	22.0	20.0	25.0	19.0	24.5	18.0	20.5	19.5
9	5.5	3.5	11.0	10.0	23.0	21.0	25.0	20.0	25.5	19.0	20.5	19.5
10	5.5	5.5	10.5	9.5	21.0	20.5	24.0	19.0	26.0	17.0	20.0	17.0
11	6.5	5.5	13.0	10.0	21.0	20.0	21.5	18.0	26.0	20.0	20.0	17.0
12	8.0	6.0	14.5	13.0	20.5	19.5	22.0	15.0	24.0	17.0	19.5	19.0
13	8.5	7.0	14.5	13.0	21.0	20.5	21.5	15.0	23.5	15.5	20.0	18.0
14	8.5	8.0	13.5	13.0	21.0	20.5	21.5	16.5	24.0	16.5	19.5	18.0
15	8.0	7.0	14.0	13.0	20.5	20.0	21.5	16.0	23.5	17.0	20.0	18.5
16	7.0	6.0	14.0	13.0	20.5	16.0	21.5	16.5	23.5	16.5	21.5	18.0
17	7.0	5.5	14.0	12.0	20.5	15.5	22.0	16.5	23.5	14.5	21.0	19.0
18	7.5	6.5	15.5	13.5	22.0	16.5	21.0	15.0	24.5	16.5	21.0	18.0
19	9.5	8.0	17.0	16.0	23.0	19.0	19.0	---	24.0	---	20.5	16.5
20	11.5	9.0	17.0	16.0	24.0	19.0	20.0	18.5	24.5	13.5	19.0	16.0
21	11.5	10.0	16.0	15.0	24.0	23.0	21.5	14.5	26.0	19.5	19.5	17.0
22	11.0	9.5	16.0	15.0	25.5	21.0	22.5	16.0	25.0	19.5	19.5	14.5
23	10.0	9.0	16.0	15.0	26.0	20.0	23.5	17.0	24.5	20.5	19.0	14.0
24	10.5	9.0	16.0	15.0	26.0	21.0	24.0	19.0	24.0	14.0	18.5	14.0
25	10.0	9.0	16.5	16.0	26.5	20.5	24.0	19.5	24.0	---	16.5	11.0
26	9.5	9.0	16.5	16.5	26.0	21.5	23.5	19.5	25.0	19.0	16.0	12.0
27	9.5	9.0	16.0	15.5	26.5	22.0	24.5	18.5	19.5	18.0	16.0	13.5
28	9.0	8.5	15.5	14.5	25.0	20.0	24.0	15.5	22.0	18.0	16.0	14.5
29	8.5	8.0	16.0	15.0	26.0	19.0	23.5	18.5	22.0	19.0	18.0	15.5
30	8.0	8.0	16.0	15.0	25.5	20.0	20.5	19.5	23.5	18.5	15.5	15.5
31	---	---	15.5	15.0	---	---	23.0	19.5	---	---	---	---
MONTH	11.5	3.0	17.0	8.0	26.5	14.5	25.0	14.5	26.0	14.0	21.5	11.0
YEAR	26.5	0.0										

01189998 RAINBOW RESERVOIR AT RAINBOW, CONN.

LOCATION.--Lat 41°54'55", long 72°41'38", Hartford County, at hydroelectric plant at dam of Farmington River Power Company, at Rainbow, 0.4 mile upstream from gaging station, on the Farmington River, and 6.0 miles downstream from Salmon Brook.

DRAINAGE AREA.--591 sq mi.

PERIOD OF RECORD.--Water temperatures: October 1957 to September 1970.

EXTREMES.--1970-71:
Water temperatures: Maximum 25.0°C June 26-28; minimum, freezing point on many days during winter months.

Period of record:
Water temperatures: Maximum, 28.0°C July 2, 1958, July 29, 1963, and July 30, 1970; minimum, freezing point on many days during winter months.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971
(ONCE-DAILY MEASUREMENT AT APPROXIMATELY 0800)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.5	---	4.0	0.0	0.0	1.5	6.0	9.0	16.5	24.0	24.5	20.0
2	14.0	---	4.0	0.0	0.0	1.0	6.0	9.0	16.5	23.5	24.5	23.0
3	14.5	---	4.0	0.0	0.0	1.0	6.5	9.0	17.0	22.0	24.5	20.0
4	14.5	---	4.5	0.0	0.0	1.0	6.0	10.5	18.0	23.0	24.5	23.0
5	16.0	---	4.5	0.0	0.0	1.0	6.5	9.0	18.0	22.0	24.5	22.0
6	20.0	---	4.5	0.0	0.0	1.0	6.0	10.0	17.0	22.0	24.5	21.0
7	21.0	---	4.0	0.0	0.0	3.0	5.5	10.0	20.0	22.0	24.5	21.0
8	17.0	---	2.0	0.0	0.0	3.0	5.0	11.0	21.0	24.0	24.5	21.0
9	23.5	---	3.0	0.0	1.0	2.0	4.5	12.0	21.0	24.0	24.5	21.0
10	20.5	---	0.0	0.0	0.0	2.0	5.5	11.5	21.5	24.0	24.5	21.0
11	21.5	---	0.0	0.0	3.0	2.5	5.0	10.5	21.5	23.5	24.5	20.5
12	20.0	---	0.0	0.0	0.0	2.0	6.5	12.0	21.5	23.5	24.5	21.0
13	19.0	---	0.0	0.0	0.0	2.0	5.0	12.0	22.0	23.5	24.5	21.0
14	18.0	---	0.0	0.0	1.0	3.0	9.0	12.0	21.5	22.0	24.5	21.0
15	19.0	---	0.0	0.0	0.5	3.5	9.0	12.0	21.5	22.0	24.5	21.0
16	18.0	---	0.0	0.0	1.0	3.5	9.5	12.0	21.5	22.0	24.5	21.0
17	18.0	8.0	0.0	0.0	1.0	4.5	8.5	17.0	21.0	22.0	24.5	21.0
18	20.0	7.0	0.0	0.0	0.0	4.5	8.0	13.5	---	23.5	24.5	21.0
19	21.5	5.5	0.0	0.0	1.0	3.5	8.0	15.5	23.0	22.0	24.5	21.5
20	12.0	5.5	0.0	0.0	1.0	3.5	9.0	16.5	23.0	22.0	24.5	21.5
21	10.0	6.0	0.0	0.0	0.0	3.5	9.5	16.0	23.5	22.0	24.5	20.5
22	10.0	8.0	0.0	0.0	1.0	4.0	10.0	15.0	23.0	22.0	24.5	20.0
23	10.0	7.5	0.0	0.0	1.0	5.0	10.0	15.5	24.0	22.0	24.0	19.0
24	14.0	5.5	0.0	0.0	1.0	4.5	10.0	15.5	24.5	21.5	23.5	18.0
25	11.5	5.0	0.0	0.0	1.0	4.0	10.0	16.0	24.0	22.0	23.5	18.0
26	13.0	4.5	0.0	0.0	1.0	4.0	10.0	16.5	25.0	23.5	23.5	18.5
27	12.0	4.0	0.0	0.0	1.5	4.0	9.0	16.5	25.0	23.5	23.5	17.0
28	10.0	3.5	3.5	0.0	1.5	4.0	9.0	16.0	25.0	23.5	23.5	16.5
29	10.0	4.0	0.0	0.0	---	5.0	9.0	16.5	24.5	23.5	22.0	16.5
30	10.0	3.5	0.0	0.0	---	6.0	9.0	16.5	24.0	24.5	20.0	16.5
31	10.0	---	0.0	0.0	---	5.5	---	16.5	---	24.5	20.0	---
MONTH	15.5	---	1.0	0.0	0.5	3.0	8.0	13.0	21.5	23.0	24.0	20.0
YEAR	11.5											

01193050 CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN.

LOCATION.--Lat 41°32'30", long 72°33'13", Middlesex County, on pier of United Aircraft Corporation (formerly Connecticut Advanced Nuclear Engineering Laboratory, CANEL), 0.8 mile south of Middle Haddam, and 6.1 miles south of Middletown.

DRAINAGE AREA.--10,880 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1971.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
OCT.												
01...	1330	--	--	--	--	--	--	--	--	--	--	--
14...	0820	4.1	330	50	18	1.9	8.8	1.5	39	0	16	13
A14...	0820	--	--	--	--	--	--	--	--	--	--	--
NOV.												
11...	0935	5.1	260	70	13	1.9	9.5	1.5	32	0	17	13
A11...	0935	--	--	--	--	--	--	--	--	--	--	--
DEC.												
09...	0945	5.7	190	70	12	1.8	7.0	1.3	30	0	12	11
A09...	0945	--	--	--	--	--	--	--	--	--	--	--
JAN.												
13...	1040	8.1	170	70	20	2.8	15	3.3	41	0	19	23
A13...	1040	--	--	--	--	--	--	--	--	--	--	--
FEB.												
10...	1010	6.6	140	90	14	2.4	21	--	36	0	17	35
A10...	1010	--	--	--	--	--	--	--	--	--	--	--
MAR.												
10...	0940	6.5	170	0	13	2.5	13	1.6	30	0	15	23
A10...	0940	--	--	--	--	--	--	--	--	--	--	--
APR.												
14...	0945	5.2	100	30	9.5	1.4	5.9	1.0	21	0	12	10
A14...	0945	--	--	--	--	--	--	--	--	--	--	--
MAY												
12...	0840	4.4	100	--	9.0	1.2	3.7	--	20	0	9.2	5.7
A12...	0840	--	--	--	--	--	--	--	--	--	--	--
JUNE												
09...	0815	3.3	160	0	12	2.0	7.2	.9	31	0	13	11
A09...	0815	--	--	--	--	--	--	--	--	--	--	--
JULY												
14...	0845	.9	10	0	16	2.8	11	2.2	36	0	20	16
A14...	0845	--	--	--	--	--	--	--	--	--	--	--
AUG.												
18...	0820	.2	30	0	16	2.6	11	1.7	44	0	17	15
A18...	0820	--	--	--	--	--	--	--	--	--	--	--
SEP.												
15...	1008	4.1	140	90	13	2.5	9.9	2.0	35	0	17	12
A15...	1008	--	--	--	--	--	--	--	--	--	--	--

01193050 CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN.--Continued

PERIOD OF RECORD.--Continued
Water temperatures: October 1967 to September 1970.

REMARKS.--Digital water quality data collection system and monthly samples. Records of hourly-punched parameters 1967-70 available in the district office at Hartford, Conn. Available in Part 1 of this report are volumes of tidal interchange computed for a site 3.8 miles upstream. Periods of missing record due to malfunction of monitoring unit.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)
OCT.												
01...	--	--	--	--	--	--	--	--	--	--	--	--
14...	.2	2.2	.58	89	86	.12	53	21	32	147	7.1	--
A14...	--	--	--	--	--	--	--	--	--	164	6.5	--
NOV.												
11...	.1	4.6	.66	90	84	.12	40	14	26	147	6.8	--
A11...	--	--	--	--	--	--	--	--	--	150	6.6	--
DEC.												
09...	.1	5.1	.46	79	72	.11	38	14	25	126	6.8	--
A09...	--	--	--	--	--	--	--	--	--	140	6.7	--
JAN.												
13...	--	7.3	1.8	146	118	.20	62	28	34	235	6.8	--
A13...	--	--	--	--	--	--	--	--	--	260	7.1	--
FEB.												
10...	--	2.4	.75	151	--	.21	45	16	30	220	6.8	--
A10...	--	--	--	--	--	--	--	--	--	237	6.9	--
MAR.												
10...	.1	3.0	.29	105	93	.14	42	18	25	169	7.1	--
A10...	--	--	--	--	--	--	--	--	--	184	7.3	--
APR.												
14...	.1	1.9	.12	58	58	.08	29	12	17	99	6.9	--
A14...	--	--	--	--	--	--	--	--	--	100	6.7	--
MAY												
12...	.0	1.4	.12	56	45	.08	27	11	16	80	6.9	--
A12...	--	--	--	--	--	--	--	--	--	79	6.9	--
JUNE												
09...	.1	4.4	.17	85	69	.12	38	13	25	126	6.8	1
A09...	--	--	--	--	--	--	--	--	--	124	6.4	--
JULY												
14...	.2	4.4	.64	--	92	.13	51	22	30	165	6.9	5
A14...	--	--	--	--	--	--	--	--	--	170	6.4	--
AUG.												
18...	.2	3.5	.52	--	90	.12	51	15	36	165	7.2	2
A18...	--	--	--	--	--	--	--	--	--	153	6.8	--
SEP.												
15...	.3	2.6	.49	--	82	.11	43	16	29	145	7.0	1
A15...	--	--	--	--	--	--	--	--	--	145	6.3	--

01193050 CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TUR-BID-ITY (MG/L)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.											
01...	--	20.0	16.5	--	--	--	--	--	--	--	--
14...	1	--	--	--	--	--	--	--	--	26	.5
A14...	--	18.5	19.5	5.5	59	--	60000	3200	280	--	--
NOV.											
11...	2	--	--	--	--	--	--	--	--	33	.7
A11...	--	11.0	17.0	6.8	61	--	40000	720	160	--	--
DEC.											
09...	4	--	--	--	--	--	--	--	--	28	.5
A09...	--	2.5	1.5	8.6	63	--	150000	5800	4000	--	--
JAN.											
13...	4	--	--	--	--	--	--	--	--	33	.8
A13...	--	4.0	--	10.0	76	--	920000	3300	6000	--	--
FEB.											
10...	3	--	--	--	--	--	--	--	--	50	1.4
A10...	--	2.0	-4.5	9.5	68	--	40000	--	7800	--	--
MAR.											
10...	2	--	--	--	--	--	--	--	--	39	.9
A10...	--	3.0	2.5	7.9	56	--	12000	1400	1300	--	--
APR.											
14...	3	--	--	--	--	--	--	--	--	29	.5
A14...	--	8.0	8.5	9.5	80	--	20000	3300	2900	--	--
MAY											
12...	--	--	--	--	--	--	--	--	--	23	.3
A12...	1	10.0	21.5	8.2	73	--	23000	500	260	--	--
JUNE											
09...	2	--	--	--	--	13	--	--	--	28	.5
A09...	--	24.0	20.5	6.0	71	--	7000	170	24	--	--
JULY											
14...	10	--	--	--	--	--	--	--	--	31	.7
A14...	--	28.0	25.0	2.5	32	--	24000	72	10	--	--
AUG.											
18...	1	--	--	--	--	--	--	--	--	31	.7
A18...	--	27.5	24.0	6.8	85	--	24000	1200	72	--	--
SEP.											
15...	6	--	--	--	--	--	--	--	--	32	.7
A15...	--	25.0	26.5	4.5	54	--	60000	300	39	--	--

01193500 SALMON RIVER NEAR EAST HAMPTON, CONN.

LOCATION.--Lat 41°33'11", long 72°26'57", Middlesex County, at gaging station on right bank at Old Comstock Bridge, 150 ft downstream from New London-Middlesex County Line, 0.6 mile downstream from Dickinson Creek, and 3.5 miles southeast of East Hampton.

DRAINAGE AREA.--105 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1960 to September 1961, June 1968 to September 1971.
Water temperatures: October 1960 to September 1961.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1960-61 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
OCT.												
12...	0825	--	--	9.2	2.1	--	--	19	0	12	18	--
A12...	0825	18	--	--	--	--	--	--	--	--	--	--
NOV.												
09...	0930	--	--	8.5	2.0	--	--	12	0	15	16	--
A09...	0930	67	--	--	--	--	--	--	--	--	--	--
DEC.												
07...	0935	--	--	8.5	2.6	--	--	10	0	14	15	--
A07...	0935	61	--	--	--	--	--	--	--	--	--	--
JAN.												
11...	1000	--	--	8.0	2.1	--	--	10	0	16	16	--
A11...	1000	160	--	--	--	--	--	--	--	--	--	--
FEB.												
08...	0930	--	--	8.5	2.2	--	--	10	0	13	40	--
A08...	0930	85	--	--	--	--	--	--	--	--	--	--
MAR.												
08...	0930	--	--	5.0	1.6	--	--	6	0	11	13	--
A08...	0930	500	--	--	--	--	--	--	--	--	--	--
APR.												
12...	0935	--	5.6	5.5	1.4	--	--	8	0	12	11	.1
A12...	0935	190	--	--	--	--	--	--	--	--	--	--
MAY												
10...	0815	--	4.7	6.5	1.6	--	--	9	0	11	10	--
A10...	0815	396	--	--	--	--	--	--	--	--	--	--
JUNE												
07...	0815	--	--	5.6	1.6	--	--	14	0	11	12	--
A07...	0815	97	--	--	--	--	--	--	--	--	--	--
JULY												
12...	0815	--	7.6	8.0	2.3	8.4	1.5	16	0	10	16	.0
A12...	0815	19	--	--	--	--	--	--	--	--	--	--
AUG.												
16...	0725	--	7.2	8.0	2.0	9.2	1.8	19	0	10	17	.0
A16...	0725	19	--	--	--	--	--	--	--	--	--	--
SEP.												
13...	0905	--	5.9	5.2	1.5	5.0	1.6	8	0	14	8.0	.1
A13...	0905	750	--	--	--	--	--	--	--	--	--	--

01193500 SALMON RIVER NEAR EAST HAMPTON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TUR-BID-ITY (MG/L)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.											
12...	0	--	--	--	--	--	--	--	--	--	--
A12...	--	14.0	19.0	10.0	96	--	500	10	98	--	--
NOV.											
09...	2	--	--	--	--	--	--	--	--	--	--
A09...	--	3.0	4.5	10.5	78	--	360	4	36	--	--
DEC.											
07...	1	--	--	--	--	--	--	--	--	--	--
A07...	--	.0	-5.5	11.7	80	--	150	20	27	--	--
JAN.											
11...	1	--	--	--	--	--	--	--	--	--	--
A11...	--	1.0	1.0	9.5	67	--	82	--	28	--	--
FEB.											
08...	0	--	--	--	--	--	--	--	--	--	--
A08...	--	1.5	1.0	9.8	70	--	180	--	330	--	--
MAR.											
09...	1	--	--	--	--	--	--	--	--	--	--
A09...	--	2.5	6.5	8.0	58	--	560	88	230	--	--
APR.											
12...	0	--	--	--	--	--	--	--	--	--	--
A12...	--	7.5	14.0	10.0	83	--	6	4	4	--	--
MAY											
10...	1	--	--	--	--	--	--	--	--	--	--
A10...	--	10.0	12.0	10.0	89	--	400	80	100	--	--
JUNE											
07...	1	--	--	--	--	8	--	--	--	--	--
A07...	--	16.5	19.5	8.5	87	--	1600	64	29	--	--
JULY											
12...	1	--	--	--	--	--	--	--	--	37	.7
A12...	--	19.0	21.5	9.3	100	--	460	16	140	--	--
AUG.											
16...	1	--	--	--	--	--	--	--	--	40	.8
A16...	--	19.5	19.5	9.5	103	--	4600	19	76	--	--
SEP.											
13...	6	--	--	--	--	--	--	--	--	36	.5
A13...	--	21.5	23.0	7.6	86	--	20000	>1200	5600	--	--

DATE	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)
OCT.											
12...	--	.01	--	--	--	32	16	16	123	7.0	--
A12...	--	--	--	--	--	--	--	--	135	6.9	--
NOV.											
09...	--	.07	--	--	--	29	19	10	118	6.8	--
A09...	--	--	--	--	--	--	--	--	127	7.1	--
DEC.											
07...	--	.04	--	--	--	31	23	8	115	6.7	--
A07...	--	--	--	--	--	--	--	--	128	7.7	--
JAN.											
11...	--	.02	--	--	--	29	21	8	119	7.0	--
A11...	--	--	--	--	--	--	--	--	128	6.7	--
FEB.											
08...	--	.02	--	--	--	30	22	8	196	6.8	--
A08...	--	--	--	--	--	--	--	--	214	6.9	--
MAR.											
09...	--	.03	--	--	--	18	14	5	83	6.6	--
A09...	--	--	--	--	--	--	--	--	88	7.4	--
APR.											
12...	.9	.02	--	--	--	19	13	7	84	6.7	--
A12...	--	--	--	--	--	--	--	--	97	7.2	--
MAY											
10...	.7	.03	60	--	.08	22	15	7	79	6.6	--
A10...	--	--	--	--	--	--	--	--	79	7.6	--
JUNE											
07...	--	.08	--	--	--	21	9	11	87	6.9	1
A07...	--	--	--	--	--	--	--	--	88	6.9	--
JULY											
12...	.9	.06	--	63	.09	29	16	13	100	7.1	1
A12...	--	--	--	--	--	--	--	--	112	6.6	--
AUG.											
16...	.9	.03	--	67	.09	28	12	16	114	7.1	1
A16...	--	--	--	--	--	--	--	--	117	5.7	--
SEP.											
13...	.6	.06	--	66	.06	19	13	7	71	6.3	1
A13...	--	--	--	--	--	--	--	--	75	5.9	--

01195468 QUINNIPIAC RIVER NEAR SOUTHINGTON, CONN.

LOCATION.--Lat 41°38'35", long 72°52'42", Hartford County, at bridge on Howell Street, 0.2 mile downstream from Patton Brook, and 2.9 miles north of Southington.

DRAINAGE AREA.--9.94 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1969 to December 1970 (discontinued).
Water temperatures: January to December 1970 (discontinued).

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971
(CONTINUOUS MERCURY-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.0	12.0	---	---	---	---	---	---	---	---	---	---
2	16.0	11.0	---	---	---	---	---	---	---	---	---	---
3	18.0	13.0	---	---	---	---	---	---	---	---	---	---
4	15.0	12.0	---	---	11.0	9.0	---	---	---	---	---	---
5	15.0	10.0	---	---	9.0	7.0	---	---	---	---	---	---
6	15.0	9.0	---	---	10.0	6.0	---	---	---	---	---	---
7	17.0	12.0	---	---	11.0	6.0	---	---	---	---	---	---
8	17.0	14.0	---	---	10.0	6.0	---	---	---	---	---	---
9	---	---	---	---	10.0	6.0	---	---	---	---	---	---
10	---	---	---	---	9.0	7.0	---	---	---	---	---	---
11	---	---	---	---	11.0	9.0	---	---	---	---	---	---
12	---	---	---	---	13.0	11.0	---	---	---	---	---	---
13	---	---	---	---	12.0	9.0	---	---	---	---	---	---
14	---	---	---	---	11.0	9.0	---	---	---	---	---	---
15	---	---	---	---	10.0	9.0	---	---	---	---	---	---
16	14.0	10.0	---	---	9.0	6.0	---	---	---	---	---	---
17	10.0	9.0	---	---	9.0	5.0	---	---	---	---	---	---
18	---	6.0	---	---	8.0	5.0	---	---	---	---	---	---
19	13.0	8.0	---	---	9.0	7.0	---	---	---	---	---	---
20	---	6.0	---	---	11.0	9.0	---	---	---	---	---	---
21	---	8.0	---	---	10.0	7.0	---	---	---	---	---	---
22	---	---	---	---	9.0	6.0	---	---	---	---	---	---
23	---	---	---	---	9.0	6.0	---	---	---	---	---	---
24	---	---	---	---	6.0	3.0	---	---	---	---	---	---
25	---	---	---	---	6.0	3.0	---	---	---	---	---	---
26	---	---	---	---	6.0	3.0	---	---	---	---	---	---
27	---	---	---	---	7.0	5.0	---	---	---	---	---	---
28	---	---	---	---	8.0	6.0	---	---	---	---	---	---
29	---	---	---	---	---	6.0	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	13.0	0.0	---	---	---	---	---	---

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.

LOCATION.--Lat 41°26'58", long 72°50'29", New Haven County, at gaging station on right bank on Wilbur Cross Highway, 0.8 mile downstream from bridge on Quinnipiac Street in Wallingford, and 2 miles upstream from Harbor Brook.

DRAINAGE AREA.--109 sq mi.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
OCT.												
01...	1415	65	--	--	--	--	--	--	--	--	--	--
02...	1212	65	--	--	--	--	--	--	--	--	--	--
13...	0925	--	--	36	9.7	--	--	84	0	31	26	--
A13...	0925	63	--	--	--	--	--	--	--	--	--	--
NOV.												
10...	1010	--	--	30	5.3	--	--	62	0	29	26	--
A10...	1010	66	--	--	--	--	--	--	--	--	--	--
DEC.												
08...	1045	--	11	29	5.7	18	2.4	88	0	27	27	.6
A08...	1045	86	--	--	--	--	--	--	--	--	--	--
JAN.												
12...	1020	--	--	34	5.6	--	--	87	0	31	35	--
A12...	1020	102	--	--	--	--	--	--	--	--	--	--
FEB.												
09...	0915	--	--	20	5.4	--	--	62	0	22	60	--
A09...	0915	338	--	--	--	--	--	--	--	--	--	--
MAR.												
09...	0915	--	--	19	3.0	--	--	40	0	21	31	--
A09...	0915	490	--	--	--	--	--	--	--	--	--	--
APR.												
13...	1045	--	7.5	24	4.6	--	--	65	0	25	22	.2
A13...	1045	225	--	--	--	--	--	--	--	--	--	--
MAY												
11...	0945	--	7.0	27	4.5	--	--	60	0	27	26	--
A11...	0945	215	--	--	--	--	--	--	--	--	--	--
JUNE												
08...	0920	--	9.7	29	5.7	--	--	76	0	26	27	--
A08...	0920	116	--	--	--	--	--	--	--	--	--	--
JULY												
13...	0925	--	8.1	35	6.4	42	3.7	90	0	29	73	.4
A13...	0925	62	--	--	--	--	--	--	--	--	--	--
AUG.												
17...	0900	--	9.6	35	6.0	22	2.4	86	0	27	33	.8
A17...	0900	63	--	--	--	--	--	--	--	--	--	--
SEP.												
14...	1020	--	7.4	17	3.3	11	2.3	40	0	20	17	.1
A14...	1020	582	--	--	--	--	--	--	--	--	--	--

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	315	290	305	300	295	280	335	335	---	---	---	---
2	315	300	305	305	290	280	335	335	---	---	---	---
3	315	310	305	300	330	280	335	335	---	---	---	---
4	335	310	300	300	320	285	340	335	---	---	---	---
5	350	340	300	300	290	280	---	---	---	---	---	---
6	340	290	300	300	300	275	---	---	---	---	---	---
7	290	290	300	300	290	270	---	---	---	---	---	---
8	315	290	300	300	280	270	---	---	---	---	---	---
9	340	315	300	300	300	280	---	---	---	---	---	---
10	350	325	300	300	335	300	---	---	---	---	---	---
11	330	330	300	300	300	300	---	---	---	---	---	---
12	330	280	315	300	300	290	---	---	---	---	---	---
13	330	290	300	270	330	300	---	---	---	---	---	---
14	330	320	270	250	320	310	---	---	---	---	---	---
15	340	280	280	255	340	300	---	---	---	---	---	---
16	330	250	260	---	350	310	---	---	---	---	---	---
17	310	295	---	---	335	305	---	---	---	---	---	---
18	395	285	---	---	380	335	---	---	---	---	---	---
19	290	285	---	270	375	360	---	---	---	---	---	---
20	300	290	270	260	360	340	---	---	---	---	---	---
21	300	300	280	255	340	333	---	---	---	---	---	---
22	300	300	255	250	345	330	---	---	---	---	---	---
23	300	300	---	---	330	320	---	---	---	---	---	---
24	300	300	---	---	320	315	---	---	---	---	---	---
25	300	300	---	---	330	320	---	---	---	---	---	---
26	300	300	---	---	330	330	---	---	---	---	---	---
27	310	300	---	---	330	330	---	---	---	---	---	---
28	310	310	---	---	340	330	---	---	---	---	---	---
29	310	300	280	000	340	340	---	---	---	---	---	---
30	300	300	280	---	340	335	---	---	---	---	---	---
31	300	300	---	---	335	335	---	---	---	---	---	---
MONTH	340	250	315	250	380	270	---	---	---	---	---	---

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.--Continued

PERIOD OF RECORD.--Chemical analyses: October 1956 to September 1957, June 1968 to September 1971.
Water temperatures: November 1969 to December 1970 (discontinued).

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1956-57 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)
OCT.											
01...	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--
13...	--	2.5	--	--	--	114	46	68	335	7.2	--
A13...	--	--	--	--	--	--	--	--	400	7.1	--
NOV.											
10...	--	2.3	--	--	--	97	46	55	311	6.9	--
A10...	--	--	--	--	--	--	--	--	315	7.2	--
DEC.											
08...	19	2.0	191	182	.27	96	26	72	340	7.3	--
A08...	--	--	--	--	--	--	--	--	335	7.1	--
JAN.											
12...	--	2.3	--	--	--	108	37	71	342	7.4	--
A12...	--	--	--	--	--	--	--	--	370	7.4	--
FEB.											
09...	--	1.7	--	--	--	88	30	58	419	6.8	--
A09...	--	--	--	--	--	--	--	--	420	7.7	--
MAR.											
09...	--	.62	--	--	--	63	30	50	231	7.1	--
A09...	--	--	--	--	--	--	--	--	235	7.5	--
APR.											
13...	5.8	1.7	--	--	--	79	26	53	258	7.4	--
A13...	--	--	--	--	--	--	--	--	280	7.2	--
MAY											
11...	--	1.4	148	--	.20	86	37	60	256	7.1	--
A11...	--	--	--	--	--	--	--	--	270	7.1	--
JUNE											
08...	--	1.9	--	--	--	96	35	61	291	7.0	1
A08...	--	--	--	--	--	--	--	--	290	6.9	--
JULY											
13...	17	2.0	--	257	.35	114	60	70	470	7.1	2
A13...	--	--	--	--	--	--	--	--	470	6.9	--
AUG.											
17...	11	2.0	--	192	.26	112	42	71	324	7.3	2
A17...	--	--	--	--	--	--	--	--	320	7.2	--
SEP.											
14...	3.5	.55	--	102	.14	56	23	33	171	7.0	3
A14...	--	--	--	--	--	--	--	--	155	5.9	--

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	----	----	----	----	8.0	7.0	----	----	----	----	----	----
2	----	----	----	----	9.0	7.0	----	----	----	----	----	----
3	----	----	----	----	9.0	8.0	----	----	----	----	----	----
4	----	----	----	----	9.0	8.0	----	----	----	----	----	----
5	17.0	16.0	----	----	8.0	5.0	----	----	----	----	----	----
6	16.0	15.0	----	----	5.0	4.0	----	----	----	----	----	----
7	17.0	16.0	----	----	4.0	2.0	----	----	----	----	----	----
8	18.0	16.0	----	----	2.0	1.0	----	----	----	----	----	----
9	19.0	17.0	----	----	5.0	2.0	----	----	----	----	----	----
10	18.0	17.0	----	----	4.0	3.0	----	----	----	----	----	----
11	18.0	17.0	----	----	4.0	----	----	----	----	----	----	----
12	19.0	17.0	13.0	12.0	----	----	----	----	----	----	----	----
13	21.0	18.0	12.0	11.0	----	----	----	----	----	----	----	----
14	21.0	19.0	11.0	10.0	----	----	----	----	----	----	----	----
15	----	----	11.0	10.0	----	----	----	----	----	----	----	----
16	----	----	10.0	9.0	----	----	----	----	----	----	----	----
17	----	----	9.0	8.0	----	----	----	----	----	----	----	----
18	----	----	8.0	7.0	----	----	----	----	----	----	----	----
19	----	----	8.0	7.0	----	----	----	----	----	----	----	----
20	----	----	10.0	8.0	----	----	----	----	----	----	----	----
21	----	----	9.0	8.0	----	----	----	----	----	----	----	----
22	----	----	9.0	8.0	----	----	----	----	----	----	----	----
23	----	----	9.0	8.0	----	----	----	----	----	----	----	----
24	----	----	8.0	6.0	----	----	----	----	----	----	----	----
25	----	----	8.0	6.0	----	----	----	----	----	----	----	----
26	----	----	5.0	4.0	----	----	----	----	----	----	----	----
27	----	----	5.0	4.0	----	----	----	----	----	----	----	----
28	----	----	6.0	5.0	----	----	----	----	----	----	----	----
29	----	----	6.0	4.0	----	----	----	----	----	----	----	----
30	----	----	5.0	4.0	----	----	----	----	----	----	----	----
31	----	----		----	----	----	----	----	----	----	----	----

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CONN.--Continued

01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. DISTRICT CODE 09

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TUR-BID-ITY (MG/L)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.											
01...	--	18.0	18.0	--	--	--	--	--	--	--	--
02...	--	18.0	18.5	--	--	--	--	--	--	--	--
13...	2	--	--	--	--	--	--	--	--	--	--
A13...	--	20.0	21.9	7.5	82	--	100000	2200	220	--	--
NOV.											
10...	2	--	--	--	--	--	--	--	--	--	--
A10...	--	10.0	10.5	10.5	93	--	110000	3900	2000	--	--
DEC.											
08...	3	--	--	--	--	--	--	--	--	28	.8
A08...	--	2.5	2.5	9.5	69	--	42000	2600	2100	--	--
JAN.											
12...	1	--	--	--	--	--	--	--	--	--	--
A12...	--	1.0	1.5	11.6	88	--	25000	--	1900	--	--
FEB.											
09...	11	--	--	--	--	--	--	--	--	--	--
A09...	--	3.0	1.0	10.2	76	--	60000	10000	15000	--	--
MAR.											
09...	6	--	--	--	--	--	--	--	--	--	--
A09...	--	2.0	2.5	11.7	84	--	67000	7700	6200	--	--
APR.											
13...	1	--	--	--	--	--	--	--	--	--	--
A13...	--	12.0	17.0	8.6	78	--	50000	6700	3500	--	--
MAY											
11...	1	--	--	--	--	--	--	--	--	--	--
A11...	--	16.0	20.0	8.0	77	--	5900	50	25	--	--
JUNE											
08...	3	--	--	--	--	16	--	--	--	--	--
A08...	--	20.5	31.0	7.5	88	--	32000	2500	250	--	--
JULY											
13...	3	--	--	--	--	--	--	--	--	44	1.7
A13...	--	27.0	25.0	6.5	80	--	650000	670	240	--	--
AUG.											
17...	1	--	--	--	--	--	--	--	--	29	.9
A17...	--	25.0	25.0	7.0	83	--	62000	200	300	--	--
SEP.											
14...	6	--	--	7.6	--	--	--	--	--	29	.6
A14...	--	22.0	22.0	--	86	--	40000	>1200	8000	--	--

01196523 QUINNIPIAC RIVER NEAR NORTH HAVEN, CONN.

LOCATION.--Lat 41°24'46", long 72°51'10", New Haven County, at United Aircraft Corporation, 0.8 mile downstream from Pine Branch, 1.7 miles north of New Haven.

DRAINAGE AREA.--124 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1969 to December 1970 (discontinued).
Water temperatures: November 1960 to December 1970 (discontinued).

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	560	480	405	405	---	---	---	---	---	---
2	---	---	610	450	430	405	---	---	---	---	---	---
3	---	---	570	465	435	430	---	---	---	---	---	---
4	---	---	570	475	435	435	---	---	---	---	---	---
5	470	410	500	440	435	420	---	---	---	---	---	---
6	440	360	475	432	420	390	---	---	---	---	---	---
7	500	425	470	440	425	380	---	---	---	---	---	---
8	650	430	480	440	420	410	---	---	---	---	---	---
9	670	650	540	480	415	410	---	---	---	---	---	---
10	675	445	675	460	420	415	---	---	---	---	---	---
11	750	430	460	450	420	420	---	---	---	---	---	---
12	470	440	460	450	420	420	---	---	---	---	---	---
13	470	410	455	335	420	420	---	---	---	---	---	---
14	430	415	340	330	420	420	---	---	---	---	---	---
15	495	400	340	315	---	---	---	---	---	---	---	---
16	450	380	330	300	---	---	---	---	---	---	---	---
17	440	430	350	320	---	---	---	---	---	---	---	---
18	430	385	360	340	---	---	---	---	---	---	---	---
19	385	370	395	360	---	---	---	---	---	---	---	---
20	370	360	380	370	---	---	---	---	---	---	---	---
21	360	350	370	355	---	---	---	---	---	---	---	---
22	350	350	355	330	---	---	---	---	---	---	---	---
23	430	350	335	330	---	---	---	---	---	---	---	---
24	410	380	360	335	---	---	---	---	---	---	---	---
25	380	365	380	360	---	---	---	---	---	---	---	---
26	365	350	390	380	---	---	---	---	---	---	---	---
27	350	340	395	390	---	---	---	---	---	---	---	---
28	340	335	395	395	---	---	---	---	---	---	---	---
29	570	435	395	395	---	---	---	---	---	---	---	---
30	510	430	405	395	---	---	---	---	---	---	---	---
31	475	435	---	---	---	---	---	---	---	---	---	---
MONTH	750	335	675	315	---	---	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.0	15.0	11.0	9.0	9.0	7.0	---	---	---	---	---	---
2	17.0	15.0	12.0	10.0	10.0	9.0	---	---	---	---	---	---
3	17.0	16.0	12.0	10.0	10.0	8.0	---	---	---	---	---	---
4	16.0	15.0	12.0	12.0	10.0	8.0	---	---	---	---	---	---
5	16.0	14.0	12.0	11.0	8.0	6.0	---	---	---	---	---	---
6	17.0	14.0	11.0	9.0	6.0	5.0	---	---	---	---	---	---
7	18.0	16.0	11.0	9.0	5.0	4.0	---	---	---	---	---	---
8	18.0	16.0	11.0	9.0	4.0	3.0	---	---	---	---	---	---
9	17.0	16.0	11.0	9.0	4.0	4.0	---	---	---	---	---	---
10	18.0	16.0	11.0	11.0	4.0	3.0	---	---	---	---	---	---
11	18.0	16.0	12.0	11.0	---	---	---	---	---	---	---	---
12	19.0	17.0	13.0	12.0	---	---	---	---	---	---	---	---
13	19.0	18.0	13.0	10.0	---	---	---	---	---	---	---	---
14	19.0	18.0	11.0	10.0	5.0	4.0	---	---	---	---	---	---
15	21.0	19.0	10.0	9.0	5.0	3.0	---	---	---	---	---	---
16	20.0	16.0	10.0	9.0	5.0	3.0	---	---	---	---	---	---
17	16.0	12.0	9.0	8.0	5.0	3.0	---	---	---	---	---	---
18	13.0	11.0	9.0	7.0	4.0	3.0	---	---	---	---	---	---
19	14.0	11.0	9.0	8.0	4.0	3.0	---	---	---	---	---	---
20	14.0	11.0	10.0	9.0	4.0	3.0	---	---	---	---	---	---
21	14.0	13.0	10.0	8.0	5.0	3.0	---	---	---	---	---	---
22	16.0	14.0	9.0	8.0	3.0	3.0	---	---	---	---	---	---
23	16.0	16.0	9.0	8.0	3.0	2.0	---	---	---	---	---	---
24	16.0	15.0	8.0	6.0	3.0	2.0	---	---	---	---	---	---
25	---	---	7.0	5.0	---	---	---	---	---	---	---	---
26	---	---	6.0	5.0	---	---	---	---	---	---	---	---
27	---	---	7.0	6.0	---	---	---	---	---	---	---	---
28	---	---	7.0	6.0	---	---	---	---	---	---	---	---
29	12.0	10.0	7.0	7.0	---	---	---	---	---	---	---	---
30	11.0	10.0	9.0	7.0	---	---	---	---	---	---	---	---
31	11.0	9.0	---	---	---	---	---	---	---	---	---	---
MONTH	21.0	9.0	13.0	5.0	10.0	2.0	---	---	---	---	---	---

01198900 FALLS VILLAGE RESERVOIR AT FALLS VILLAGE, CONN.

LOCATION.--Lat 41°57'45", long 73°22'18", Litchfield County, on Housatonic River at Great Falls, 0.4 mile upstream from hydroelectric plant of Hartford Electric Light Company and gaging station at Falls Village.

DRAINAGE AREA.--629 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1956.
Water temperatures: October 1955 to September 1971.

EXTREMES.--1969-71:
Water temperatures: Maximum 24.5°C July 1-3; minimum, freezing point on many days during winter months.

Period of record:
Water temperatures: Maximum, 27.0°C June 20, 1957; minimum, freezing point on many days during winter months.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971
(ONCE-DAILY MEASUREMENT AT APPROXIMATELY 0800)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	8.0	5.0	---	---	1.0	4.0	7.5	15.5	24.5	---	20.5
2	14.5	8.0	5.0	---	---	1.5	4.0	8.0	16.0	24.5	---	20.5
3	14.0	8.0	5.0	---	---	1.5	4.0	9.0	16.5	24.5	---	21.0
4	14.0	9.0	5.0	---	---	1.0	4.0	8.5	17.0	24.0	22.5	21.0
5	13.5	9.5	4.0	---	---	0.5	4.0	7.5	17.5	23.5	22.5	22.0
6	13.5	7.5	3.0	---	---	0.5	4.0	9.0	18.0	23.0	22.5	22.5
7	14.5	7.5	2.0	---	---	0.5	3.0	9.0	18.5	23.0	23.0	23.0
8	13.5	7.0	0.5	---	---	0.5	3.0	9.0	20.0	24.0	23.0	23.0
9	14.5	7.5	0.5	---	---	0.5	3.0	9.0	21.0	24.0	23.0	23.0
10	15.5	7.5	0.5	---	---	0.0	4.0	9.5	21.0	24.0	23.5	23.5
11	16.5	10.0	0.5	---	---	1.0	4.5	11.0	20.0	24.0	24.0	23.0
12	17.0	12.0	0.5	---	---	1.5	5.0	13.0	20.0	24.0	23.5	22.5
13	16.5	10.0	0.5	---	---	1.5	7.0	14.0	20.0	22.5	23.0	22.0
14	18.0	9.0	0.5	---	---	2.0	7.5	11.5	20.0	23.0	23.0	21.5
15	17.5	7.0	0.5	---	---	3.0	5.0	12.0	20.0	22.5	23.0	21.0
16	16.0	7.0	0.5	---	---	3.0	5.0	12.0	20.0	22.0	22.5	21.0
17	12.5	7.0	0.0	---	---	3.0	5.0	12.0	19.0	---	21.0	21.0
18	11.5	7.0	0.0	---	---	2.0	5.5	13.0	20.0	---	21.5	20.0
19	10.5	7.0	0.0	---	---	2.0	6.0	15.5	21.0	---	22.0	20.0
20	10.0	7.0	0.0	---	---	2.0	7.5	17.0	22.0	---	22.5	19.0
21	10.5	7.0	0.0	---	---	1.5	8.0	18.0	22.5	---	22.5	19.5
22	11.0	7.0	0.0	---	---	1.0	8.5	17.0	22.5	---	22.5	18.0
23	11.5	7.0	0.0	---	---	1.0	8.0	16.0	23.0	---	22.5	17.0
24	12.0	5.0	0.0	---	---	1.0	7.5	14.0	24.0	---	22.0	17.0
25	12.0	3.0	0.0	---	---	1.5	7.0	15.0	24.0	---	21.0	17.0
26	12.5	4.0	0.0	---	---	2.0	7.0	16.0	24.0	---	21.0	16.5
27	12.0	5.0	0.0	---	---	3.0	7.0	16.0	24.0	---	21.0	16.0
28	12.0	5.0	0.0	---	---	3.5	7.5	14.0	24.0	---	21.0	15.0
29	11.5	5.0	0.0	---	---	4.0	7.5	14.0	23.5	---	20.0	15.0
30	8.0	5.0	0.0	---	---	4.0	7.0	15.0	23.5	---	20.0	15.5
31	8.0	---	0.0	---	---	4.0	---	14.5	---	---	20.5	---
MONTH	13.0	7.0	1.0	---	---	2.0	5.5	12.5	20.5	---	22.0	20.0
YEAR	12.0											

01204000 POMPERAUG RIVER AT SOUTHBURY, CONN.

LOCATION.--Lat 41°28'50", long 73°13'30", New Haven County, at gaging station on right bank 200 ft upstream from bridge on Poverty Road, 800 ft downstream from Bullet Hill Brook, 0.6 mile west of Southbury, and 5.8 miles upstream from mouth.

DRAINAGE AREA.--75.3 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1960 to September 1961, April 1955 to September 1967, June 1968 to September 1971.
Water temperatures: October 1960 to September 1961, November 1966 to October 1967.

REMARKS.--Records of iron, specific conductance, and pH of daily samples for 1960-61 available in district office at Hartford, Conn.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
OCT.												
13...	1445	--	--	15	4.0	--	--	39	0	16	15	--
A13...	1445	12	--	--	--	--	--	--	--	--	--	--
NOV.												
10...	1515	--	--	15	3.3	--	--	34	0	16	13	--
A10...	1515	13	--	--	--	--	--	--	--	--	--	--
DEC.												
08...	1545	--	--	13	3.4	--	--	26	0	15	13	--
A08...	1545	50	--	--	--	--	--	--	--	--	--	--
JAN.												
12...	1620	--	--	14	2.9	--	--	20	0	16	20	--
A12...	1620	67	--	--	--	--	--	--	--	--	--	--
FEB.												
09...	1455	--	--	12	2.8	--	--	24	0	14	28	--
A09...	1455	85	--	--	--	--	--	--	--	--	--	--
MAR.												
09...	1505	--	--	14	2.4	--	--	8	0	13	12	--
A09...	1505	317	--	--	--	--	--	--	--	--	--	--
APR.												
13...	1520	--	5.9	8.0	2.6	--	--	18	0	14	11	.1
A13...	1520	173	--	--	--	--	--	--	--	--	--	--
MAY												
11...	1425	--	5.5	10	2.4	--	--	17	0	13	11	--
A11...	1425	148	--	--	--	--	--	--	--	--	--	--
JUNE												
08...	1445	--	6.6	11	2.9	--	--	30	0	13	13	--
A08...	1445	52	--	--	--	--	--	--	--	--	--	--
JULY												
13...	1506	--	7.6	20	4.5	8.3	2.7	48	0	17	19	.1
A13...	1506	12	--	--	--	--	--	--	--	--	--	--
AUG.												
17...	1410	--	5.9	16	4.2	7.6	1.6	44	0	15	16	.1
A17...	1410	17	--	--	--	--	--	--	--	--	--	--
SEP.												
14...	1530	--	7.4	7.4	2.1	4.6	2.0	17	0	15	6.5	.1
A14...	1530	650	--	--	--	--	--	--	--	--	--	--

01204000 POMPERAUG RIVER AT SOUTHBURY, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	NITRATE (NO3) (MG/L)	TOTAL PHOS- PHORUS (PO4) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)
OCT.											
13...	--	.20	--	--	--	54	22	32	166	7.3	--
A13...	--	--	--	--	--	--	--	--	186	6.6	--
NOV.											
10...	--	.06	--	--	--	51	23	28	150	7.1	--
A10...	--	--	--	--	--	--	--	--	154	6.4	--
DEC.											
08...	--	.18	--	--	--	46	25	21	135	7.3	--
A08...	--	--	--	--	--	--	--	--	155	6.5	--
JAN.											
12...	--	.22	--	--	--	47	31	16	156	7.1	--
A12...	--	--	--	--	--	--	--	--	172	6.8	--
FEB.											
09...	--	.14	--	--	--	42	22	20	176	7.0	--
A09...	--	--	--	--	--	--	--	--	190	7.3	--
MAR.											
09...	--	.06	--	--	--	45	38	7	107	6.8	--
A09...	--	--	--	--	--	--	--	--	120	7.6	--
APR.											
13...	2.4	.06	--	--	--	31	16	15	106	7.1	--
A13...	--	--	--	--	--	--	--	--	114	7.7	--
MAY											
11...	1.7	.05	64	--	.09	35	21	14	106	7.4	--
A11...	--	--	--	--	--	--	--	--	106	7.7	--
JUNE											
08...	--	.19	--	--	--	39	15	25	128	7.1	1
A08...	--	--	--	--	--	--	--	--	130	7.4	--
JULY											
13...	2.2	.46	--	106	.14	68	29	39	181	7.3	1
A13...	--	--	--	--	--	--	--	--	180	7.3	--
AUG.											
17...	1.8	.43	--	91	.12	57	21	36	163	7.4	1
A17...	--	--	--	--	--	--	--	--	157	7.5	--
SEP.											
14...	.9	.15	--	54	.07	27	13	14	90	6.8	1
A14...	--	--	--	--	--	--	--	--	90	6.7	--

01204000 POMPERAUG RIVER AT SOUTHBURY, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TUR-BID-ITY (MG/L)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.											
13...	1	--	--	--	--	--	--	--	--	--	--
A13...	--	18.0	24.2	8.8	93	--	5000	24	48	--	--
NOV.											
10...	0	--	--	--	--	--	--	--	--	--	--
A10...	--	8.0	13.0	11.1	93	--	700	26	110	--	--
DEC.											
08...	2	--	--	--	--	--	--	--	--	--	--
A08...	--	2.0	-3.0	8.0	58	--	80	15	28	--	--
JAN.											
12...	2	--	--	--	--	--	--	--	--	--	--
A12...	--	1.0	-3.5	12.1	86	--	16000	--	120	--	--
FEB.											
09...	0	--	--	--	--	--	--	--	--	--	--
A09...	--	1.5	1.0	12.0	85	--	500	--	160	--	--
MAR.											
09...	0	--	--	--	--	--	--	--	--	--	--
A09...	--	3.5	1.9	11.8	88	--	140	1	23	--	--
APR.											
13...	0	--	--	--	--	--	--	--	--	--	--
A13...	--	12.0	20.0	9.0	76	--	8	1	2	--	--
MAY											
11...	0	--	--	--	--	--	--	--	--	--	--
A11...	--	16.0	27.0	8.4	85	--	80	6	7	--	--
JUNE											
08...	1	--	--	--	--	9	--	--	--	--	--
A08...	--	25.5	32.0	8.8	105	--	1100	86	240	--	--
JULY											
13...	1	--	--	--	--	--	--	--	--	20	.4
A13...	--	24.0	25.0	8.6	101	--	3400	740	1100	--	--
AUG.											
17...	1	--	--	--	--	--	--	--	--	22	.4
A17...	--	23.0	27.0	9.8	112	--	6000	28	84	--	--
SEP.											
14...	10	--	--	--	--	--	--	--	--	25	.4
A14...	--	21.0	26.0	7.8	87	--	16000	4600	7200	--	--

01205000 LAKE ZOAR AT STEVENSON, CONN.

LOCATION.--Lat 41°23'00", long 73°10'18", Fairfield County, on Housatonic River at tailrace of dam of Connecticut Light and Power Company at Stevenson, 0.2 mile upstream from gaging station, and 0.4 mile upstream from Eightmile Brook.

DRAINAGE AREA.--1,545 sq mi.

PERIOD OF RECORD.--Water temperatures: October 1960 to September 1971.

EXTREMES.--1970-71:
Water temperatures: Maximum 27.0°C July 12, Aug. 9 and 10; minimum 0.5°C Jan. 21 and 22, Feb. 2, 8-16.

Period of record:
Water temperatures: Maximum, 32.0°C July 17, 1968; minimum, freezing point on many days during winter months.

REMARKS.--Records furnished by the Connecticut Light and Power Company.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971
(ONCE-DAILY MEASUREMENT AT APPROXIMATELY 1300)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.5	16.5	9.0	2.0	1.5	1.5	5.0	10.0	17.0	26.0	25.5	25.5
2	21.5	16.5	9.5	3.0	0.5	1.5	5.5	10.5	19.0	25.5	26.0	25.5
3	21.5	16.5	9.0	3.0	1.5	1.5	6.5	10.5	19.0	25.5	26.5	25.0
4	21.0	16.5	9.0	3.0	1.5	1.0	6.0	13.5	21.0	25.0	25.5	25.5
5	21.0	14.5	8.5	3.0	1.5	1.0	6.5	13.5	21.0	25.5	25.5	25.5
6	21.0	14.0	8.0	1.5	2.0	1.5	6.0	13.5	23.0	25.5	26.5	25.5
7	21.0	14.0	7.0	1.5	1.5	2.0	6.0	11.0	21.0	25.5	26.5	25.0
8	21.0	14.0	6.5	1.5	0.5	2.0	6.5	11.0	23.5	25.5	26.5	25.0
9	21.0	14.0	6.5	1.5	0.5	2.0	6.5	11.0	24.0	25.5	27.0	24.5
10	20.0	13.5	6.5	1.5	0.5	1.5	6.5	11.0	22.5	---	27.0	24.5
11	20.0	13.5	6.5	2.0	0.5	2.0	6.5	12.0	22.5	26.0	---	24.5
12	20.0	---	6.5	2.0	0.5	2.0	7.0	12.0	24.0	27.0	---	24.5
13	20.0	---	5.5	2.0	0.5	2.0	7.0	12.0	24.0	26.0	---	24.5
14	20.0	13.5	5.5	2.0	0.5	2.0	7.0	13.0	24.0	25.0	---	24.5
15	20.5	13.5	5.5	4.0	0.5	2.0	7.0	13.0	24.0	25.5	---	24.0
16	20.5	12.0	5.5	2.0	0.5	3.0	7.0	11.0	24.0	26.0	---	23.5
17	18.5	12.0	5.5	1.0	1.0	3.0	7.0	13.5	23.0	25.0	---	23.0
18	18.5	11.0	4.5	1.5	1.0	3.0	9.5	13.5	23.5	25.0	---	22.0
19	18.5	11.5	4.5	1.5	1.0	4.0	9.5	15.5	23.5	24.5	---	22.0
20	18.5	11.5	4.5	1.5	1.5	4.5	10.0	15.5	24.0	24.5	---	22.0
21	18.0	11.5	4.0	0.5	1.5	4.5	10.0	18.5	24.0	25.0	---	22.0
22	18.0	11.0	3.5	0.5	1.5	4.5	9.5	16.0	25.0	25.0	---	22.0
23	16.5	11.0	2.5	1.0	1.5	4.5	12.0	16.0	26.0	25.5	---	22.0
24	16.5	10.0	1.0	1.0	1.5	3.5	13.0	16.5	25.5	25.5	---	22.0
25	17.0	10.0	1.0	1.0	1.5	4.5	9.5	16.5	25.0	25.5	---	21.0
26	15.5	10.0	1.0	1.0	1.5	4.0	9.5	17.0	25.5	26.0	---	22.0
27	15.5	10.0	1.5	0.5	1.5	4.0	12.0	17.0	25.5	26.5	26.0	23.5
28	16.0	9.5	1.5	1.0	1.5	4.0	12.0	17.0	25.5	26.5	26.0	23.5
29	16.5	9.5	1.5	1.0	---	4.5	10.5	18.0	25.5	26.0	24.0	23.5
30	16.5	9.0	1.5	1.5	---	4.5	13.5	17.0	26.0	25.5	24.0	23.5
31	16.5	---	2.0	1.5	---	4.5	---	17.0	---	25.5	24.5	---
MONTH	19.0	12.5	5.0	1.5	1.0	3.0	8.0	13.5	23.5	25.5	---	23.5
YEAR	13.0											

01205500 HOUSATONIC RIVER AT STEVENSON, CONN.

LOCATION.--Lat 41°23'02", long 73°10'05", Fairfield County and New Haven County, at gaging station on left bank, 0.2 mile downstream from dam of Connecticut Light and Power Company at Stevenson, 0.2 mile upstream from Eightmile Brook, and at mile 19.2.

DRAINAGE AREA.--1,545 sq mi.

PERIOD OF RECORD.--Chemical analyses: June 1968 to September 1971.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
OCT.												
13...	1315	--	--	30	8.8	--	--	116	0	23	17	--
A13...	1315	165	--	--	--	--	--	--	--	--	--	--
NOV.												
10...	1355	--	--	27	8.0	--	--	106	0	24	16	--
A10...	1355	124	--	--	--	--	--	--	--	--	--	--
DEC.												
08...	1445	--	--	27	8.3	--	--	98	0	20	14	--
A08...	1445	108	--	--	--	--	--	--	--	--	--	--
JAN.												
12...	1440	--	--	54	7.3	--	--	97	0	23	19	--
A12...	1440	85	--	--	--	--	--	--	--	--	--	--
FEB.												
09...	1345	--	--	31	8.4	--	--	106	0	24	17	--
A09...	1345	191	--	--	--	--	--	--	--	--	--	--
MAR.												
09...	1345	--	--	17	5.6	--	--	58	0	15	14	--
A09...	1345	9630	--	--	--	--	--	--	--	--	--	--
APR.												
13...	1430	--	3.6	20	5.4	--	--	66	0	16	11	.1
A13...	1430	6290	--	--	--	--	--	--	--	--	--	--
MAY												
11...	1330	--	2.2	21	6.4	--	--	73	0	15	13	--
A11...	1330	5360	--	--	--	--	--	--	--	--	--	--
JUNE												
08...	1345	--	2.3	23	7.9	--	--	88	0	15	12	--
A08...	1345	6060	--	--	--	--	--	--	--	--	--	--
JULY												
13...	1345	--	2.0	27	8.4	7.1	1.4	100	0	17	12	.0
A13...	1345	2860	--	--	--	--	--	--	--	--	--	--
AUG.												
17...	1250	--	2.2	30	9.0	10	1.6	112	0	17	15	.2
A17...	1250	4120	--	--	--	--	--	--	--	--	--	--
SEP.												
14...	1410	--	4.0	20	7.8	7.9	2.4	76	0	19	12	.1
A14...	1410	1340	--	--	--	--	--	--	--	--	--	--

01205500 HOUSATONIC RIVER AT STEVENSON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 197C TO SEPTEMBER 1971

DATE	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVEC SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)
OCT.											
13...	--	1.9	--	--	--	111	16	93	283	7.6	--
A13...	--	--	--	--	--	--	--	--	330	--	--
NOV.											
10...	--	.16	--	--	--	100	14	87	279	7.6	--
A10...	--	--	--	--	--	--	--	--	291	6.8	--
DEC.											
08...	--	.27	--	--	--	102	21	80	258	7.6	--
A08...	--	--	--	--	--	--	--	--	265	7.3	--
JAN.											
12...	--	.39	--	--	--	165	85	80	254	7.8	--
A12...	--	--	--	--	--	--	--	--	260	7.7	--
FEB.											
09...	--	.33	--	--	--	112	25	87	274	7.7	--
A09...	--	--	--	--	--	--	--	--	299	7.6	--
MAR.											
09...	--	.18	--	--	--	66	18	48	181	7.5	--
A09...	--	--	--	--	--	--	--	--	198	7.7	--
APR.											
13...	2.1	.11	--	--	--	72	18	54	182	7.7	--
A13...	--	--	--	--	--	--	--	--	200	7.8	--
MAY											
11...	1.3	.13	111	--	.15	79	19	60	186	7.5	--
A11...	--	--	--	--	--	--	--	--	187	7.6	--
JUNE											
08...	--	.08	--	--	--	90	18	72	210	7.5	1
A08...	--	--	--	--	--	--	--	--	215	7.8	--
JULY											
13...	1.8	.09	--	126	.17	102	20	82	232	7.5	1
A13...	--	--	--	--	--	--	--	--	245	7.0	--
AUG.											
17...	1.8	.34	--	142	.15	112	20	92	256	7.7	2
A17...	--	--	--	--	--	--	--	--	250	7.8	--
SEP.											
14...	.9	.18	--	112	.15	82	20	62	198	7.7	3
A14...	--	--	--	--	--	--	--	--	205	7.1	--

01205500 HOUSATONIC RIVER AT STEVENSON, CONN.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TUR-BID-ITY (MG/L)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.											
13...	0	--	--	--	--	--	--	--	--	--	--
A13...	--	20.0	26.0	6.8	74	--	5500	9	30	--	--
NOV.											
10...	0	--	--	--	--	--	--	--	--	--	--
A10...	--	11.5	12.2	9.5	86	--	1600	8	136	--	--
DEC.											
09...	2	--	--	--	--	--	--	--	--	--	--
A09...	--	5.0	-1.0	10.5	82	--	44	3	160	--	--
JAN.											
12...	1	--	--	--	--	--	--	--	--	--	--
A12...	--	3.0	.0	12.3	91	--	58	--	4	--	--
FEB.											
09...	3	--	--	--	--	--	--	--	--	--	--
A09...	--	3.0	3.0	10.5	78	--	100	--	1	--	--
MAR.											
09...	1	--	--	--	--	--	--	--	--	--	--
A09...	--	3.5	3.0	9.5	71	--	1200	24	120	--	--
APR.											
13...	3	--	--	--	--	--	--	--	--	--	--
A13...	--	7.0	20.5	8.0	66	--	20	2	7	--	--
MAY											
11...	1	--	--	--	--	--	--	--	--	--	--
A11...	--	11.5	27.5	8.0	73	--	140	40	24	--	--
JUNE											
08...	2	--	--	--	--	7	--	--	--	--	--
A08...	--	19.0	32.0	8.0	86	--	370	5	91	--	--
JULY											
13...	1	--	--	--	--	--	--	--	--	13	.3
A13...	--	23.5	25.0	4.0	47	--	1300	62	1200	--	--
AUG.											
17...	0	--	--	--	--	--	--	--	--	16	.4
A17...	--	26.0	26.0	5.0	61	--	1000	31	112	--	--
SEP.											
14...	0	--	--	--	--	--	--	--	--	17	.4
A14...	--	23.0	24.5	5.7	66	--	27000	5200	1900	--	--

SAUGATUCK RIVER BASIN

01208990 SAUGATUCK RIVER NEAR REDDING, CONN.

LOCATION.--Lat 41°17'40", long 73°23'44", Fairfield County, at gaging station on downstream side of bridge on State Highway 53, 100 ft south of the intersection of State Highways 53 and 107, 0.8 mile upstream from Saugatuck Reservoir, and 1 mile southwest of Redding.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
OCT.												
13...	1130	--	--	26	5.9	--	--	80	0	16	13	--
A13...	1130	2.5	--	--	--	--	--	--	--	--	--	--
NOV.												
10...	1200	--	--	21	5.3	--	--	66	0	19	13	--
A10...	1200	8.0	--	--	--	--	--	--	--	--	--	--
DEC.												
08...	1305	--	--	23	5.0	--	--	66	0	17	17	--
A08...	1305	15	--	--	--	--	--	--	--	--	--	--
JAN.												
12...	1315	--	--	23	5.1	--	--	56	0	18	17	--
A12...	1315	21	--	--	--	--	--	--	--	--	--	--
FEB.												
09...	1135	--	--	16	4.6	--	--	48	0	17	22	--
A09...	1135	67	--	--	--	--	--	--	--	--	--	--
MAR.												
09...	1135	--	--	19	3.8	--	--	33	0	14	14	--
A09...	1135	132	--	--	--	--	--	--	--	--	--	--
APR.												
13...	1300	--	3.7	18	4.5	--	--	50	0	16	15	.1
A13...	1300	49	--	--	--	--	--	--	--	--	--	--
MAY												
11...	1210	--	4.7	22	5.0	--	--	52	0	19	14	--
A11...	1210	38	--	--	--	--	--	--	--	--	--	--
JUNE												
08...	1255	--	6.7	21	6.3	--	--	73	0	12	14	--
A08...	1255	13	--	--	--	--	--	--	--	--	--	--
JULY												
13...	1215	--	5.5	23	7.0	5.7	2.7	82	0	14	14	.0
A13...	1215	2.0	--	--	--	--	--	--	--	--	--	--
AUG.												
17...	1105	--	8.7	22	6.1	6.2	1.5	76	0	12	14	.0
A17...	1105	6.8	--	--	--	--	--	--	--	--	--	--
SEP.												
14...	1250	--	8.7	10	2.7	5.6	1.9	32	0	16	7.5	.1
A14...	1250	375	--	--	--	--	--	--	--	--	--	--

DATE	TUR-BID-ITY (MG/L)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO
OCT.											
13...	0	--	--	--	--	--	--	--	--	--	--
A13...	--	17.0	24.0	8.8	91	--	1600	11	72	--	--
NOV.											
10...	--	--	--	--	--	--	--	--	--	--	--
A10...	--	7.5	12.1	11.4	96	--	130	13	72	--	--
DEC.											
08...	1	--	--	--	--	--	--	--	--	--	--
A08...	--	1.0	-2.0	9.8	69	--	95	2	10	--	--
JAN.											
12...	1	--	--	--	--	--	--	--	--	--	--
A12...	--	1.0	2.3	10.5	74	--	60	--	20	--	--
FEB.											
09...	2	--	--	--	--	--	--	--	--	--	--
A09...	--	1.5	1.0	11.0	82	--	280	--	130	--	--
MAR.											
09...	1	--	--	--	--	--	--	--	--	--	--
A09...	--	3.0	2.5	10.5	79	--	8	4	28	--	--
APR.											
13...	1	--	--	--	--	--	--	--	--	--	--
A13...	--	12.5	22.5	9.5	87	--	7	2	6	--	--
MAY											
11...	1	--	--	--	--	--	--	--	--	--	--
A11...	--	17.0	25.0	8.0	83	--	200	10	22	--	--
JUNE											
08...	1	--	--	--	--	12	--	--	--	--	--
A08...	--	23.0	30.0	7.9	91	--	130	60	110	--	--
JULY											
13...	1	--	--	--	--	--	--	--	--	12	.3
A13...	--	26.0	25.0	8.7	110	--	4400	40	4400	--	--
AUG.											
17...	1	--	--	--	--	--	--	--	--	14	.3
A17...	--	22.0	24.5	9.5	108	--	9600	17	180	--	--
SEP.											
14...	3	--	--	--	--	--	--	--	--	23	.4
A14...	--	21.0	23.0	7.6	82	--	890	400	3300	--	--

01208990 SAUGATUCK RIVER NEAR REDDING, CONN.--Continued

DRAINAGE AREA.--20.4 sq mi.

PERIOD OF RECORD.--Chemical analyses: June 1968 to September 1971.

WATER QUALITY DATA, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECI-FIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)
OCT.											
13...	--	.04	--	--	--	85	24	60	200	7.9	--
A13...	--	--	--	--	--	--	--	--	233	7.5	--
NOV.											
10...	--	.08	--	--	--	76	20	56	192	7.4	--
A10...	--	--	--	--	--	--	--	--	192	6.9	--
DEC.											
08...	--	.11	--	--	--	82	28	54	210	7.6	--
A08...	--	--	--	--	--	--	--	--	240	7.5	--
JAN.											
12...	--	.07	--	--	--	70	30	40	196	7.4	--
A12...	--	--	--	--	--	--	--	--	212	7.2	--
FEB.											
09...	--	.08	--	--	--	50	20	30	188	7.1	--
A09...	--	--	--	--	--	--	--	--	210	7.5	--
MAR.											
09...	--	.03	--	--	--	48	21	27	141	7.2	--
A09...	--	--	--	--	--	--	--	--	137	7.7	--
APR.											
13...	.5	.03	--	--	--	63	22	41	168	7.7	--
A13...	--	--	--	--	--	--	--	--	180	7.8	--
MAY											
11...	.2	.12	104	--	.14	76	33	43	165	7.7	--
A11...	--	--	--	--	--	--	--	--	165	7.6	--
JUNE											
08...	--	.06	--	--	--	78	18	60	190	7.6	--
A08...	--	--	--	--	--	--	--	--	195	7.4	8
JULY											
13...	.0	.09	--	112	.15	86	19	67	201	7.9	1
A13...	--	--	--	--	--	--	--	--	205	8.2	--
AUG.											
17...	.0	.06	--	107	.15	80	19	61	185	7.9	1
A17...	--	--	--	--	--	--	--	--	185	8.4	--
SEP.											
14...	.4	.08	--	67	.09	36	10	26	106	6.9	1
A14...	--	--	--	--	--	--	--	--	100	7.1	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DATE	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)
CONNECTICUT RIVER BASIN												
01192612 - MERIMERE RESERVOIR NEAR MERIDEN CONN (LAT 41 34 03 LONG 072 49 26)												
APR., 1970												
28...	7.0	30	0	5.0	2.2	2.6	.1	22	17	4.0	.7	.2
A28...	--	--	--	--	--	--	--	--	--	--	--	--
WEST RIVER BASIN												
01195270 - LAKE POND RESERVOIR NEAR NORTH BRANFORD CONN (LAT 41 23 19 LONG 072 46 44)												
APR., 1970												
28...	5.7	110	0	4.0	1.3	1.8	.0	7	12	2.2	.1	.0
A28...	--	--	--	--	--	--	--	--	--	--	--	--
01195280 - MENUNKATUCK RESERVOIR AT NORTH GUILFORD CONN (LAT 41 22 40 LONG 072 42 50)												
MAY , 1970												
07...	7.6	90	0	9.0	3.7	3.6	.3	23	19	6.0	.1	.7
A07...	--	--	--	--	--	--	--	--	--	--	--	--
HOADLEY CREEK RIVER BASIN												
01195310 - HOADLEY CREEK NEAR GUILFORD CONN (LAT 41 16 01 LONG 072 43 39)												
MAR., 1970												
27...	9.6	300	0	9.5	1.4	4.5	.4	7	16	4.9	--	.1
A27...	--	--	--	--	--	--	--	--	--	--	--	--
BRANFORD RIVER BASIN												
01195320 - LAKE GAILLARD AT NORTH BRANFORD CONN (LAT 41 20 15 LONG 072 46 15)												
MAY , 1970												
07...	4.2	90	0	7.6	2.2	4.1	.8	17	16	9.0	.1	.4
A07...	--	--	--	--	--	--	--	--	--	--	--	--
01195340 - BRANFORD RIVER NEAR BRANFORD CONN (LAT 41 17 38 LONG 072 47 45)												
MAR., 1970												
27...	6.2	410	100	16	9.1	12	1.1	43	30	22	--	2.2
A27...	--	--	--	--	--	--	--	--	--	--	--	--
EAST HAVEN RIVER BASIN												
01195360 - PISTAPAUG POND NEAR WALLINGFORD CONN (LAT 41 25 30 LONG 072 46 57)												
APR., 1970												
28...	2.8	30	10	14	4.2	3.6	.3	62	20	5.6	.0	.0
A28...	--	--	--	--	--	--	--	--	--	--	--	--
01195400 - FARM RIVER AT TOTOKET CONN (LAT 41 19 40 LONG 072 48 58)												
MAR., 1970												
27...	9.0	210	90	26	4.5	8.2	1.0	51	28	16	--	6.0
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01195420 - LAKE SALTONSTALL AT EAST HAVEN CONN (LAT 41 16 45 LONG 072 51 48)												
MAY , 1970												
07...	2.0	40	0	24	5.0	8.9	1.1	72	29	16	.1	1.4
A07...	--	--	--	--	--	--	--	--	--	--	--	--
QUINNIPIAC RIVER BASIN												
01195450 - PLAINVILLE RESERVOIR NEAR PLAINVILLE CONN (LAT 41 38 32 LONG 072 50 36)												
APR., 1970												
28...	2.3	80	0	10	2.4	2.7	.1	31	16	3.7	.0	.0
01195500 - QUINNIPIAC RIVER AT SOUTHINGTON CONN (LAT 41 36 03 LONG 072 53 04)												
MAR., 1970												
27...	7.0	390	90	21	4.0	18	1.2	43	23	31	--	4.0
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196000 - EIGHTMILE RIVER AT PLANTSVILLE CONN (LAT 41 35 20 LONG 072 53 55)												
MAR., 1970												
27...	9.8	130	80	7.6	1.3	9.6	.7	12	12	8.3	--	1.6
A27...	--	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DATE	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	TUR-BID-ITY (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	TEMP-ERATURE (DEG C)
CONNECTICUT RIVER BASIN--Continued												
01192682 - MERIMERE RESERVOIR NEAR MERIDEN CONN (LAT 41 34 03 LONG 072 49 26)												
APR., 1970												
28...	--	60	56	34	16	84	7.1	3	.04	0	18	--
A28...	--	--	--	--	--	--	--	--	--	--	--	10.0
WEST RIVER BASIN--Continued												
01195270 - LANE POND RESERVOIR NEAR NORTH BRANFORD CONN (LAT 41 25 19 LONG 072 44 44)												
APR., 1970												
28...	--	34	31	16	10	43	6.6	11	.03	0	6	--
A28...	--	--	--	--	--	--	--	--	--	--	--	14.5
01195280 - MENUNKATUCK RESERVOIR AT NORTH GUILFORD CONN (LAT 41 22 40 LONG 072 42 50)												
MAY , 1970												
07...	--	55	53	34	13	88	7.3	11	.02	1	21	--
A07...	--	--	--	--	--	--	--	--	--	--	--	12.5
HOADLEY CREEK RIVER BASIN--Continued												
01195310 - HOADLEY CREEK NEAR GUILFORD CONN (LAT 41 16 01 LONG 072 43 35)												
MAR., 1970												
27...	--	53	42	20	14	60	6.5	30	--	--	6	--
A27...	--	--	--	--	--	65	6.3	--	--	--	--	5.5
BRANFORD RIVER BASIN--Continued												
01195320 - LAKE GAILLARD AT NORTH BRANFORD CONN (LAT 41 20 15 LONG 072 46 15)												
MAY , 1970												
07...	2.2	45	46	28	14	81	7.1	9	.01	0	14	--
A07...	--	--	--	--	--	--	--	--	--	--	--	11.0
01195340 - BRANFORD RIVER NEAR BRANFORD CONN (LAT 41 17 35 LONG 072 47 45)												
MAR., 1970												
27...	--	117	108	61	26	188	7.3	9	--	--	35	--
A27...	--	--	--	--	--	197	7.2	--	--	--	--	5.5
EAST HAVEN RIVER BASIN--Continued												
01195360 - PISTAPAUG POND NEAR WALLINGFORD CONN (LAT 41 25 30 LONG 072 44 57)												
APR., 1970												
28...	--	71	72	52	18	126	7.3	1	.04	0	34	--
A28...	--	--	--	--	--	--	--	--	--	--	--	12.5
01195400 - FARM RIVER AT TOTOKET CONN (LAT 41 19 40 LONG 072 48 58)												
MAR., 1970												
27...	--	117	110	76	34	206	7.4	6	--	--	42	--
A27...	--	--	--	--	--	220	7.7	--	--	--	--	7.0
01195420 - LAKE SALTONSTALL AT EAST HAVEN CONN (LAT 41 16 45 LONG 072 51 45)												
MAY , 1970												
07...	2.4	137	120	84	25	224	8.0	5	.01	1	59	--
A07...	--	--	--	--	--	--	--	--	--	--	--	10.0
QUINNIPIAC RIVER BASIN--Continued												
01195450 - PLAINVILLE RESERVOIR NEAR PLAINVILLE CONN (LAT 41 38 32 LONG 072 50 36)												
APR., 1970												
28...	--	58	51	35	10	86	7.2	2	.01	1	25	--
01195500 - QUINNIPIAC RIVER AT SOUTHINGTON CONN (LAT 41 36 03 LONG 072 53 04)												
MAR., 1970												
27...	--	130	130	69	34	235	7.1	9	--	--	35	--
A27...	--	--	--	--	--	248	7.3	--	--	--	--	7.5
01196000 - EIGHTMILE RIVER AT PLANTSVILLE CONN (LAT 41 35 20 LONG 072 53 55)												
MAR., 1970												
27...	--	52	49	24	14	78	6.9	14	--	--	10	--
A27...	--	--	--	--	--	83	6.8	--	--	--	--	6.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DATE	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)
QUINNIPIAC RIVER BASIN												
01196010 - CHESHIRE RESERVOIR NEAR WEST CHESHIRE CONN (LAT 41 30 10 LONG 072 56 51)												
APR., 1970 29...	8.8	90	0	9.6	2.0	6.8	.7	14	14	14	.2	3.7
A29...	--	--	--	--	--	--	--	--	--	--	--	--
01196070 - SOUTHINGTON RESERVOIR NO 3 NEAR MILLDALE CONN (LAT 41 34 18 LONG 072 56 18)												
APR., 1970 28...	3.7	100	80	3.8	.9	7.7	.2	3	7.4	13	.1	.1
A28...	--	--	--	--	--	--	--	--	--	--	--	--
01196080 - HUMISTON BROOK NEAR MILLDALE CONN (LAT 41 34 10 LONG 072 55 47)												
MAR., 1970 27...	5.6	100	50	4.0	1.2	5.0	.3	4	9.0	8.9	--	.5
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196100 - TENMILE RIVER AT MILLDALE CONN (LAT 41 33 56 LONG 072 53 25)												
MAR., 1970 27...	6.2	460	90	12	2.3	9.6	1.2	14	17	18	--	3.4
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196150 - MISERY BROOK AT MILLDALE CONN (LAT 41 34 11 LONG 072 52 26)												
MAR., 1970 27...	8.0	200	20	17	3.9	6.1	.6	42	20	9.7	--	1.6
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196220 - QUINNIPIAC RIVER NEAR MERIDEN CONN (LAT 41 32 13 LONG 072 52 20)												
MAR., 1970 27...	6.3	580	100	15	2.6	11	1.2	26	20	18	--	4.0
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196225 - BROAD BROOK RESERVOIR NEAR MERIDEN CONN (LAT 41 31 20 LONG 072 51 34)												
APR., 1970 28...	4.7	70	0	13	1.8	4.3	.5	28	16	7.5	.1	.7
A28...	--	--	--	--	--	--	--	--	--	--	--	--
01196240 - BRADLEY HUBBARD RESERVOIR NEAR MERIDEN CONN (LAT 41 33 23 LONG 072 45 47)												
APR., 1970 28...	9.8	40	0	14	5.8	2.8	.1	30	38	2.7	.5	.0
A28...	--	--	--	--	--	--	--	--	--	--	--	--
01196260 - HARBOR BROOK NEAR MERIDEN CONN (LAT 41 31 52 LONG 072 49 21)												
MAR., 1970 27...	7.5	550	180	35	7.1	37	1.7	68	32	69	--	8.4
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196520 - WHARTON BROOK NEAR WALLINGFORD CONN (LAT 41 25 57 LONG 072 49 56)												
MAR., 1970 27...	6.6	390	100	24	4.2	10	1.7	44	30	20	--	7.6
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196540 - SPRING LAKE NEAR WALLINGFORD CONN (LAT 41 28 05 LONG 072 46 12)												
APR., 1970 28...	4.2	100	0	19	5.3	3.9	.7	62	22	5.1	.0	.3
A28...	--	--	--	--	--	--	--	--	--	--	--	--
01196550 - MUDDY RIVER NEAR WALLINGFORD CONN (LAT 41 26 41 LONG 072 46 10)												
MAR., 1970 27...	6.8	130	30	22	7.1	13	.8	56	31	23	--	3.6
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196560 - MACKENZIE RESERVOIR NEAR WALLINGFORD CONN (LAT 41 26 13 LONG 072 46 44)												
APR., 1970 28...	5.1	200	0	22	6.0	9.6	.8	61	29	17	.1	3.1
A28...	--	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DATE	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	TUR-BID-ITY (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	TEMP-ERATURE (DEG C)
QUINNIPIAC RIVER BASIN--Continued												
01196010 - CHESHIRE RESERVOIR NEAR WEST CHESHIRE CONN (LAT 41 30 10 LONG 072 56 51)												
APR., 1970												
29...	--	70	67	32	20	102	7.0	6	.01	1	11	--
A29...	--	--	--	--	--	--	--	--	--	--	--	15.0
01196070 - SOUTHINGTON RESERVOIR NO 3 NEAR MILDALE CONN (LAT 41 34 18 LONG 072 56 18)												
APR., 1970												
28...	--	42	38	13	10	66	5.9	2	.01	0	2	--
A28...	--	--	--	--	--	--	--	--	--	--	--	16.0
01196080 - HUMISTON BROOK NEAR MILLDALE CONN (LAT 41 34 10 LONG 072 55 47)												
MAR., 1970												
27...	--	36	36	15	12	58	6.4	3	--	--	3	--
A27...	--	--	--	--	--	62	6.3	--	--	--	--	5.5
01196100 - TENMILE RIVER AT MILLDALE CONN (LAT 41 31 56 LONG 072 53 25)												
MAR., 1970												
27...	--	80	77	40	28	136	6.9	24	--	--	11	--
A27...	--	--	--	--	--	140	6.8	--	--	--	--	6.0
01196150 - MISERY BROOK AT MILLDALE CONN (LAT 41 34 11 LONG 072 52 26)												
MAR., 1970												
27...	--	96	88	58	24	146	7.4	39	--	--	34	--
A27...	--	--	--	--	--	155	7.6	--	--	--	--	6.5
01196220 - QUINNIPIAC RIVER NEAR MERIDEN CONN (LAT 41 32 13 LONG 072 52 20)												
MAR., 1970												
27...	--	96	91	48	26	162	7.0	23	--	--	21	--
A27...	--	--	--	--	--	170	7.0	--	--	--	--	7.0
01196225 - BROAD BROOK RESERVOIR NEAR MERIDEN CONN (LAT 41 31 20 LONG 072 51 34)												
APR., 1970												
28...	--	64	63	40	17	105	7.2	6	.03	1	23	--
A28...	--	--	--	--	--	--	--	--	--	--	--	15.0
01196240 - BRADLEY HUBBARD RESERVOIR NEAR MERIDEN CONN (LAT 41 33 23 LONG 072 45 47)												
APR., 1970												
28...	--	86	89	59	34	138	7.4	4	.02	1	25	--
A28...	--	--	--	--	--	--	--	--	--	--	--	13.5
01196260 - HARBOR BROOK NEAR MERIDEN CONN (LAT 41 31 52 LONG 072 49 21)												
MAR., 1970												
27...	--	249	232	116	61	432	7.1	12	--	--	56	--
A27...	--	--	--	--	--	450	7.6	--	--	--	--	7.0
01196520 - WHARTON BROOK NEAR WALLINGFORD CONN (LAT 41 25 57 LONG 072 49 56)												
MAR., 1970												
27...	--	129	127	77	41	225	7.3	12	--	--	36	--
A27...	--	--	--	--	--	234	7.5	--	--	--	--	6.0
01196540 - SPRING LAKE NEAR WALLINGFORD CONN (LAT 41 28 05 LONG 072 46 12)												
APR., 1970												
28...	--	93	91	70	18	154	7.5	4	.02	1	51	--
A28...	--	--	--	--	--	--	--	--	--	--	--	16.0
01196550 - MUDDY RIVER NEAR WALLINGFORD CONN (LAT 41 26 41 LONG 072 46 10)												
MAR., 1970												
27...	--	135	136	84	38	246	7.4	7	--	--	46	--
A27...	--	--	--	--	--	259	7.7	--	--	--	--	6.5
01196560 - MACKENZIE RESERVOIR NEAR WALLINGFORD CONN (LAT 41 26 13 LONG 072 46 44)												
APR., 1970												
28...	--	134	123	80	30	210	7.7	4	.04	1	50	--
A28...	--	--	--	--	--	--	--	--	--	--	--	15.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DATE	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)
MILL RIVER BASIN												
01196620 - MILL RIVER NEAR HAMDEN CONN (LAT 41 25 15 LONG 072 54 12)												
MAR., 1970												
27...	7.4	270	30	16	2.3	6.8	.6	30	17	12	--	2.6
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196626 - MILL RIVER AT HAMDEN CONN (LAT 41 20 09 LONG 072 54 39)												
MAR., 1970												
27...	8.2	150	50	25	3.3	12	.6	49	20	20	--	5.0
A27...	--	--	--	--	--	--	--	--	--	--	--	--
WEST RIVER BASIN												
01196630 - LAKE BETHANY RESERVOIR NEAR BETHANY CONN (LAT 41 24 46 LONG 072 58 06)												
APR., 1970												
29...	6.5	70	0	7.3	1.8	5.6	.5	10	14	11	.2	.9
A29...	--	--	--	--	--	--	--	--	--	--	--	--
01196633 - LAKE WATROUS RESERVOIR NEAR WOODBRIDGE CONN (LAT 41 23 06 LONG 072 58 23)												
APR., 1970												
29...	5.8	60	0	8.9	1.9	5.6	.4	13	14	11	.2	.8
A29...	--	--	--	--	--	--	--	--	--	--	--	--
01196636 - GLEN DAM RESERVOIR NEAR WOODBRIDGE CONN (LAT 41 22 39 LONG 072 58 47)												
APR., 1970												
29...	5.5	70	0	8.7	1.9	6.5	.9	12	15	12	.1	1.7
A29...	--	--	--	--	--	--	--	--	--	--	--	--
01196645 - WEST RIVER AT NEW HAVEN CONN (LAT 41 19 41 LONG 072 57 33)												
MAR., 1970												
27...	4.8	170	60	12	3.2	10	.9	24	17	18	--	1.5
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196650 - LAKE WINTERGREEN AT WOODBRIDGE CONN (LAT 41 21 10 LONG 072 58 04)												
APR., 1970												
29...	5.9	90	100	6.7	1.7	3.1	.2	6	17	5.7	.0	.0
A29...	--	--	--	--	--	--	--	--	--	--	--	--
01196655 - MALTBY LAKES (LOWER) NEAR WEST HAVEN CONN (LAT 41 18 49 LONG 072 58 26)												
APR., 1970												
29...	5.4	70	0	15	2.2	9.1	.4	22	24	17	.2	1.3
A29...	--	--	--	--	--	--	--	--	--	--	--	--
INDIAN RIVER BASIN												
01196660 - INDIAN RIVER NEAR MILFORD CONN (LAT 41 14 33 LONG 073 01 42)												
MAR., 1970												
27...	5.1	500	200	24	5.2	18	1.4	36	30	36	--	6.5
A27...	--	--	--	--	--	--	--	--	--	--	--	--
WEPAWAUG RIVER BASIN												
01196670 - WEPAWAUG RIVER NEAR ORANGE CONN (LAT 41 18 13 LONG 073 01 50)												
MAR., 1970												
27...	7.0	220	60	12	3.3	17	.9	9	17	32	--	3.6
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196680 - RACE BROOK AT ORANGE CONN (LAT 41 18 07 LONG 073 01 08)												
MAR., 1970												
27...	6.1	180	30	15	4.3	15	.9	22	24	29	--	4.0
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01196700 - WEPAWAUG RIVER AT MILFORD CONN (LAT 41 14 10 LONG 073 03 32)												
MAR., 1970												
27...	6.4	210	70	16	4.2	18	1.4	18	23	35	--	4.7
A27...	--	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DATE	TOTAL PHOS- PHORUS (PO4) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	TUR- BID- ITY (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	TEMP- ERATURE (DEG C)
MILL RIVER BASIN--Continued												
01196620 - MILL RIVER NEAR HAMDEN CONN (LAT 41 25 15 LONG 072 54 12)												
MAR., 1970												
27...	--	84	80	50	25	135	7.3	16	--	--	25	--
A27...	--	--	--	--	--	140	7.3	--	--	--	--	6.5
01196626 - MILL RIVER AT HAMDEN CONN (LAT 41 20 09 LONG 072 54 39)												
MAR., 1970												
27...	--	120	118	76	36	210	7.5	4	--	--	40	--
A27...	--	--	--	--	--	220	7.6	--	--	--	--	4.0
WEST RIVER BASIN--Continued												
01196630 - LAKE BETHANY RESERVOIR NEAR BETHANY CONN (LAT 41 24 46 LONG 072 58 06)												
APR., 1970												
29...	--	60	53	26	18	82	6.9	9	.02	0	8	--
A29...	--	--	--	--	--	--	--	--	--	--	--	16.0
01196633 - LAKE WATRCUS RESERVOIR NEAR WOODBRIDGE CONN (LAT 41 23 06 LONG 072 58 23)												
APR., 1970												
29...	--	60	55	30	20	86	6.9	2	.01	1	11	--
A29...	--	--	--	--	--	--	--	--	--	--	--	16.0
01196636 - GLEN DAM RESERVOIR NEAR WOODBRIDGE CONN (LAT 41 22 39 LONG 072 58 47)												
APR., 1970												
29...	--	61	58	30	20	93	7.0	6	.01	1	10	--
A29...	--	--	--	--	--	--	--	--	--	--	--	13.5
01196645 - WEST RIVER AT NEW HAVEN CONN (LAT 41 19 41 LONG 072 57 33)												
MAR., 1970												
27...	--	79	79	43	24	145	7.1	3	--	--	20	--
A27...	--	--	--	--	--	154	8.0	--	--	--	--	6.0
01196650 - LAKE WINTERGREEN AT WOODBRIDGE CONN (LAT 41 21 10 LONG 072 58 04)												
APR., 1970												
29...	--	50	44	24	18	65	6.5	9	.02	1	5	--
A29...	--	--	--	--	--	--	--	--	--	--	--	16.5
01196655 - MALTBY LAKES (LOWER) NEAR WEST HAVEN CONN (LAT 41 18 49 LONG 072 58 26)												
APR., 1970												
29...	--	84	86	46	28	142	7.1	4	.02	1	18	--
A29...	--	--	--	--	--	--	--	--	--	--	--	17.0
INDIAN RIVER BASIN--Continued												
01196660 - INDIAN RIVER NEAR MILFORD CONN (LAT 41 14 33 LONG 073 01 42)												
MAR., 1970												
27...	--	155	144	82	52	265	7.2	8	--	--	30	--
A27...	--	--	--	--	--	280	7.4	--	--	--	--	6.0
WEPAWAUG RIVER BASIN--Continued												
01196670 - WEPAWAUG RIVER NEAR ORANGE CONN (LAT 41 18 13 LONG 073 01 50)												
MAR., 1970												
27...	--	106	97	44	36	181	6.8	8	--	--	7	--
A27...	--	--	--	--	--	190	6.8	--	--	--	--	6.5
01196680 - RACE BROOK AT ORANGE CONN (LAT 41 18 07 LONG 073 01 08)												
MAR., 1970												
27...	--	121	109	55	37	199	7.2	9	--	--	18	--
A27...	--	--	--	--	--	208	7.2	--	--	--	--	5.0
01196700 - WEPAWAUG RIVER AT MILFORD CONN (LAT 41 14 10 LONG 073 03 32)												
MAR., 1970												
27...	--	129	118	57	42	218	6.9	8	--	--	15	--
A27...	--	--	--	--	--	230	7.0	--	--	--	--	5.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
FOURMILE RIVER BASIN												
01127810 - FOURMILE RIVER NEAR EAST LYME, CONN. (LAT 41 20 06 LONG 072 15 30)												
OCT., 1970												
09...	1300	--	12	170	0	7.1	1.6	6.0	1.2	.11	10	13
CONNECTICUT RIVER BASIN												
0118584C - TRIB WEST BRANCH FARMINGTON R NR ROBERTSVILLE CT (LAT 42 01 04 LONG 073 03 07)												
MAY , 1971												
10...	1615	--	5.9	40	0	4.0	.9	1.8	.4	--	6	9.6
A10...	1615	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1650	--	10	40	0	6.0	1.4	3.0	.8	--	17	8.3
A26...	1650	--	--	--	--	--	--	--	--	--	--	--
01186015 - STILL RIVER AT WINSTED, CT. (LAT 41 54 37 LONG 073 03 57)												
AUG., 1971												
24...	0945	--	5.7	300	710	15	4.3	8.4	1.6	--	53	5.0
A24...	0945	--	--	--	--	--	--	--	--	--	--	--
01186081 - MILL BROOK NEAR NORFOLK CONN (LAT 41 59 44 LONG 073 09 07)												
MAY , 1971												
10...	1515	--	5.1	80	0	3.5	.8	1.1	.3	--	6	9.0
A10...	1515	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1600	--	9.1	30	0	6.0	1.6	1.7	.8	--	20	7.9
A26...	1600	--	--	--	--	--	--	--	--	--	--	--
01186095 - MAD RIVER NEAR WINSTED CONN (LAT 41 55 55 LONG 073 05 32)												
AUG., 1971												
24...	1230	--	4.0	130	30	9.5	2.8	4.9	1.3	--	31	10
A24...	1230	--	--	--	--	--	--	--	--	--	--	--
01186120 - COLEBROOK BROOK NEAR COLEBROOK CONN (LAT 41 57 42 LONG 073 06 12)												
MAY , 1971												
10...	1455	--	5.2	80	0	5.0	1.4	3.2	.7	--	10	11
A10...	1455	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1515	--	7.0	650	350	12	4.0	4.0	2.1	--	46	7.4
A26...	1515	--	--	--	--	--	--	--	--	--	--	--
01186130 - MAD RIVER AT WINSTED CONN (LAT 41 55 36 LONG 073 04 40)												
AUG., 1971												
24...	1130	--	3.5	220	30	12	3.4	7.6	1.8	--	31	14
A24...	1130	--	--	--	--	--	--	--	--	--	--	--
01186190 - MAD RIVER AT WINSTED CONN (LAT 41 55 15 LONG 073 04 06)												
AUG., 1971												
24...	1030	--	2.6	130	20	8.5	2.3	15	1.3	--	24	15
A24...	1030	--	--	--	--	--	--	--	--	--	--	--
01186235 - STILL RIVER AT WINSTED CONN (LAT 41 55 58 LONG 073 03 20)												
AUG., 1971												
24...	1305	--	4.3	0	80	20	5.1	22	2.1	--	57	16
A24...	1305	--	--	--	--	--	--	--	--	--	--	--
01186250 - STILL RIVER AT ROBERTSVILLE CONN (LAT 41 58 11 LONG 073 02 26)												
AUG., 1971												
24...	1430	--	3.8	250	150	19	4.6	25	4.0	--	32	16
A24...	1430	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
FOURMILE RIVER BASIN--Continued												
01127810 - FOURMILE RIVER NEAR EAST LYME, CONN. (LAT 41 20 06 LONG 072 15 30)												
OCT., 1970												
09...	10	.1	.01	2.0	.06	74	58	24	16	8	--	30
CONNECTICUT RIVER BASIN--Continued												
01185840 - TRIB WEST BRANCH FARMINGTON R NR ROBERTSVILLE CT (LAT 42 01 04 LONG 073 03 07)												
MAY , 1971												
10...	2.5	--	--	.0	.01	30	28	14	9	5	--	12
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	2.4	.1	--	1.3	10	--	42	21	7	14	--	2
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01186015 - STILL RIVER AT WINSTED, CT. (LAT 41 54 37 LONG 073 03 57)												
AUG., 1971												
24...	22	.1	--	.0	.06	--	88	55	12	43	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--
01186081 - MILL BROOK NEAR NORFOLK CONN (LAT 41 59 44 LONG 073 09 07)												
MAY , 1971												
10...	1.1	--	--	.1	.01	33	24	12	7	5	--	15
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	.5	.1	--	.0	.00	--	38	22	5	16	--	2
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01186095 - MAD RIVER NEAR WINSTED CONN (LAT 41 55 55 LONG 073 05 32)												
AUG., 1971												
24...	10	.1	--	.0	.00	--	58	35	10	25	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--
01186120 - COLEBROOK BROOK NEAR COLEBROOK CONN (LAT 41 57 42 LONG 073 06 12)												
MAY , 1971												
10...	5.2	--	--	.1	.00	40	37	18	10	8	--	5
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	8.7	.1	--	.0	.06	--	68	46	9	38	--	8
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01186130 - MAD RIVER AT WINSTED CONN (LAT 41 55 36 LONG 073 04 40)												
AUG., 1971												
24...	17	.1	--	.4	.03	--	75	44	19	25	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--
01186190 - MAD RIVER AT WINSTED CONN (LAT 41 55 15 LONG 073 04 06)												
AUG., 1971												
24...	17	.1	--	.0	1.7	--	75	31	11	20	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--
01186235 - STILL RIVER AT WINSTED CONN (LAT 41 55 58 LONG 073 03 28)												
AUG., 1971												
24...	36	.1	--	.4	1.9	--	136	71	24	47	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--
01186250 - STILL RIVER AT ROBERTSVILLE CONN (LAT 41 58 11 LONG 073 02 26)												
AUG., 1971												
24...	41	.1	--	16	3.0	--	144	56	30	26	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
FOURMILE RIVER BASIN--Continued												
01127010 - FOURMILE RIVER NEAR EAST LYME, CONN. (LAT 41 20 06 LONG 072 15 30)												
OCT., 1970												
09...	93	6.7	--	--	--	--	--	--	--	--	--	--
CONNECTICUT RIVER BASIN--Continued												
01195840 - TRIB WEST BRANCH FARMINGTON R NR ROBERTSVILLE CT (LAT 42 01 06 LONG 073 03 07)												
MAY, 1971												
10...	42	6.6	0	--	5.5	--	--	--	--	--	--	--
A10...	43	--	--	--	5.5	--	--	--	--	--	--	--
AUG.												
26...	63	7.1	2	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	16.5	--	--	--	--	--	--	--
01186015 - STILL RIVER AT WINSTED, CT. (LAT 41 56 37 LONG 073 03 57)												
AUG., 1971												
24...	158	6.8	--	--	--	--	--	--	--	--	--	--
A24...	165	6.5	--	--	19.0	--	3.0	33	--	1500	40	56
01186081 - MILL BROOK NEAR NORFOLK CONN (LAT 41 59 46 LONG 073 09 07)												
MAY, 1971												
10...	33	6.3	0	--	11.5	--	--	--	--	--	--	--
A10...	34	--	--	--	11.5	--	--	--	--	--	--	--
AUG.												
26...	56	6.8	0	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	11.5	--	--	--	--	--	--	--
01186095 - MAD RIVER NEAR WINSTED CONN (LAT 41 55 55 LONG 073 05 32)												
AUG., 1971												
24...	104	7.4	--	--	--	--	--	--	--	--	--	--
A24...	106	7.1	--	--	22.0	--	9.5	108	--	270	30	460
01186120 - COLEBROOK BROOK NEAR COLEBROOK CONN (LAT 41 57 42 LONG 073 06 12)												
MAY, 1971												
10...	60	6.6	0	--	--	--	--	--	--	--	--	--
A10...	59	--	--	--	12.0	--	--	--	--	--	--	--
AUG.												
26...	115	6.9	2	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	20.0	--	--	--	--	--	--	--
01186130 - MAD RIVER AT WINSTED CONN (LAT 41 55 36 LONG 073 04 40)												
AUG., 1971												
24...	141	7.0	--	--	--	--	--	--	--	--	--	--
A24...	104	6.8	--	--	20.0	--	9.7	105	--	4400	280	120
01186190 - MAD RIVER AT WINSTED CONN (LAT 41 55 15 LONG 073 04 06)												
AUG., 1971												
24...	138	7.0	--	--	--	--	--	--	--	--	--	--
A24...	138	7.6	--	--	21.0	--	8.5	95	--	3000	140	410
01186235 - STILL RIVER AT WINSTED CONN (LAT 41 55 58 LONG 073 03 28)												
AUG., 1971												
24...	246	7.3	--	--	--	--	--	--	--	--	--	--
A24...	250	7.6	--	--	19.0	--	9.1	98	--	23000	1000	980
01186250 - STILL RIVER AT ROBERTSVILLE CONN (LAT 41 58 11 LONG 073 02 26)												
AUG., 1971												
24...	856	6.7	--	--	--	--	--	--	--	--	--	--
A24...	875	6.6	--	--	23.0	--	7.0	80	--	170000	5500	46

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
CONNECTICUT RIVER BASIN--Continued												
01186450 - SANDY BROOK AT ROBERTSVILLE CONN (LAT 41 58 20 LONG 073 02 18)												
AUG., 1971												
24...	1505	--	3.2	110	0	9.0	2.7	3.8	9.3	--	30	9.0
A24...	1505	--	--	--	--	--	--	--	--	--	--	--
01186800 - STILL RIVER AT RIVERTON CONN (LAT 41 57 34 LONG 073 01 12)												
AUG., 1971												
24...	1545	--	3.7	170	30	12	3.6	18	2.7	--	33	14
A24...	1545	--	--	--	--	--	--	--	--	--	--	--
01187000 - WEST BRANCH FARMINGTON RIVER AT RIVERTON CONN (LAT 41 57 13 LONG 073 00 51)												
AUG., 1971												
24...	1625	--	3.8	100	20	7.0	1.8	6.1	1.0	--	17	11
A24...	1625	--	--	--	--	--	--	--	--	--	--	--
01187300 - HUBBARD RIVER NEAR WEST HARTLAND CONN (LAT 42 02 14 LONG 072 56 22)												
MAY , 1971												
10...	1645	--	3.4	90	0	4.0	.6	1.4	.3	--	4	8.8
A10...	1645	160	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1415	--	4.6	180	20	5.0	.9	2.5	.8	--	13	7.3
A26...	1415	1.2	--	--	--	--	--	--	--	--	--	--
01187520 - BEAVER BROOK NEAR HARTLAND CONN (LAT 41 57 05 LONG 072 59 41)												
MAY , 1971												
10...	2150	--	5.1	520	20	3.5	.5	2.9	.5	--	4	10
A10...	2150	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1415	--	4.8	630	20	4.0	1.2	2.9	.6	--	20	5.2
A26...	1415	--	--	--	--	--	--	--	--	--	--	--
01187620 - SPRUCE BROOK NEAR BARKHAMSTED CONN (LAT 41 54 19 LONG 072 56 00)												
MAY , 1971												
10...	2015	--	2.8	50	50	2.0	.8	1.8	.4	--	2	9.0
A10...	2015	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1335	--	7.1	140	160	2.0	1.3	6.7	.9	--	4	5.8
A26...	1335	--	--	--	--	--	--	--	--	--	--	--
01187730 - BAKERSVILLE BROOK AT BAKERSVILLE CONN (LAT 41 49 36 LONG 073 02 41)												
MAY , 1971												
10...	1315	--	6.3	70	0	5.0	1.8	4.6	.7	--	11	11
A10...	1315	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1245	--	10	200	0	11	3.9	6.6	1.5	--	36	12
A26...	1245	--	--	--	--	--	--	--	--	--	--	--
01187750 - SOUTH NEPAUG BROOK NEAR NEPAUG CONN (LAT 41 48 51 LONG 073 06 41)												
MAY , 1971												
10...	1250	--	4.9	50	0	4.0	1.3	2.3	.6	--	5	11
A10...	1250	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1220	--	11	250	0	4.0	1.6	3.0	.7	--	14	10
A26...	1220	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)
CONNECTICUT RIVER BASIN--Continued												
01186450 - SANDY BROOK AT ROBERTSVILLE CONN (LAT 41 58 20 LONG 073 02 18)												
AUG., 1971												
24...	13	.1	--	.0	.03	--	65	34	9	25	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--
01186800 - STILL RIVER AT RIVERTON CONN (LAT 41 57 34 LONG 073 01 12)												
AUG., 1971												
24...	20	.2	--	6.2	1.8	--	106	45	18	27	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--
01187000 - WEST BRANCH FARMINGTON RIVER AT RIVERTON CONN (LAT 41 57 13 LONG 073 00 51)												
AUG., 1971												
24...	12	.1	--	.0	.31	--	51	25	11	14	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--
01187300 - HUBBARD RIVER NEAR WEST HARTLAND CONN (LAT 42 02 14 LONG 072 56 22)												
MAY , 1971												
10...	1.2	--	--	.0	.01	30	22	12	9	3	--	18
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	2.1	.1	--	.0	.00	--	30	16	6	11	--	7
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01187520 - BEAVER BROOK NEAR HARTLAND CONN (LAT 41 57 05 LONG 072 59 41)												
MAY , 1971												
10...	4.6	--	--	.1	--	32	29	12	9	3	--	28
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1.3	.1	--	.4	.00	--	30	15	0	16	--	12
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01187620 - SPRUCE BROOK NEAR BARKHAMSTED CONN (LAT 41 56 19 LONG 072 56 00)												
MAY , 1971												
10...	2.5	--	--	.0	.01	16	20	8	7	2	--	10
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	16	.1	--	.4	.03	--	42	10	7	3	--	4
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01187730 - BAKERSVILLE BROOK AT BAKERSVILLE CONN (LAT 41 49 36 LONG 073 02 41)												
MAY , 1971												
10...	8.5	--	--	1.0	.02	50	44	20	11	9	--	20
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	12	.1	--	2.2	.03	--	77	44	14	30	--	3
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01187750 - SOUTH NEPAUG BROOK NEAR NEPAUG CONN (LAT 41 48 51 LONG 073 00 41)												
MAY , 1971												
10...	3.5	--	--	.5	.04	41	31	15	11	4	--	30
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	2.8	.1	--	1.3	.03	--	41	17	5	11	--	30
A26...	--	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

CONNECTICUT RIVER BASIN--Continued

01186450 - SANDY BROOK AT ROBERTSVILLE CONN (LAT 41 58 20 LONG 073 02 10)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
AUG., 1971												
24...	116	7.2	--	--	--	--	--	--	--	--	--	--
A24...	120	7.5	--	--	21.0	--	7.7	95	--	940	60	130

01186800 - STILL RIVER AT RIVERTON CONN (LAT 41 57 34 LONG 073 01 12)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
AUG., 1971												
24...	192	7.5	--	--	--	--	--	--	--	--	--	--
A24...	190	7.9	--	--	25.0	--	8.2	97	--	580	200	94

01187000 - WEST BRANCH FARMINGTON RIVER AT RIVERTON CONN (LAT 41 57 13 LONG 073 00 51)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
AUG., 1971												
24...	91	8.2	--	--	--	--	--	--	--	--	--	--
A24...	103	7.5	--	--	18.0	--	9.3	98	--	1900	40	70

01187300 - HUBBARD RIVER NEAR WEST HARTLAND CONN (LAT 42 02 14 LONG 072 56 22)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY , 1971												
10...	33	5.9	0	--	--	--	--	--	--	--	--	--
A10...	33	--	--	--	11.0	--	--	--	--	--	--	--
AUG.												
26...	46	7.0	0	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	20.0	22.5	--	--	--	--	--	--

01187520 - BEAVER BROOK NEAR HARTLAND CONN (LAT 41 57 05 LONG 072 59 41)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY , 1971												
10...	47	6.0	--	--	--	--	--	--	--	--	--	--
A10...	48	--	--	--	13.0	--	--	--	--	--	--	--
AUG.												
26...	49	6.9	1	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	19.5	--	--	--	--	--	--	--

01187620 - SPRUCE BROOK NEAR BARKHAMSTED CONN (LAT 41 54 19 LONG 072 56 00)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY , 1971												
10...	39	5.2	0	--	--	--	--	--	--	--	--	--
A10...	37	--	--	--	12.0	--	--	--	--	--	--	--
AUG.												
26...	73	5.9	0	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	18.5	--	--	--	--	--	--	--

01187730 - BAKERSVILLE BROOK AT BAKERSVILLE CONN (LAT 41 49 36 LONG 073 02 41)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY , 1971												
10...	72	6.8	0	--	--	--	--	--	--	--	--	--
A10...	--	--	--	--	12.0	--	--	--	--	--	--	--
AUG.												
26...	132	7.4	1	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	16.5	--	--	--	--	--	--	--

01187750 - SOUTH NEPAUG BROOK NEAR NEPAUG CONN (LAT 41 48 51 LONG 073 00 41)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY , 1971												
10...	45	6.2	0	--	--	--	--	--	--	--	--	--
A10...	44	--	--	--	11.5	--	--	--	--	--	--	--
AUG.												
26...	53	6.7	1	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	17.0	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS- CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO- TAS- SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
CONNECTICUT RIVER BASIN--Continued												
01188040 - PUNCH BROOK NEAR BURLINGTON CONN (LAT 41 45 31 LONG 072 56 35)												
MAY , 1971												
10...	1350	--	7.9	80	0	2.0	.6	1.7	.2	--	5	6.5
A10...	1350	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1115	--	9.5	150	0	2.0	.5	2.1	.6	--	8	5.5
A26...	1115	--	--	--	--	--	--	--	--	--	--	--
01188090 - FARMINGTON RIVER AT UNIONVILLE CONN (LAT 41 45 21 LONG 072 53 14)												
AUG., 1971												
23...	1725	--	3.9	170	0	7.0	1.7	6.6	1.0	--	16	10
A23...	1725	--	--	--	--	--	--	--	--	--	--	--
01188091 - JIM BROOK NEAR CANTON CONN (LAT 41 50 54 LONG 072 53 06)												
MAY , 1971												
10...	1945	--	9.1	160	0	4.0	1.6	5.3	.3	--	11	11
A10...	1945	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1100	--	15	290	80	15	3.3	9.1	.8	--	56	6.6
A26...	1100	--	--	--	--	--	--	--	--	--	--	--
01188160 - PEQUABUCK RIVER NEAR TERRYVILLE CONN (LAT 41 42 23 LONG 073 01 44)												
MAY , 1971												
10...	1205	--	3.6	60	0	2.5	.9	2.5	.5	--	6	8.6
A10...	1205	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1015	--	11	670	110	2.5	.5	2.8	.9	--	10	6.2
A26...	1015	--	--	--	--	--	--	--	--	--	--	--
01188165 - PEQUABUCK RIVER NEAR TERRYVILLE CONN (LAT 41 41 50 LONG 073 01 20)												
AUG., 1971												
23...	0720	--	9.9	290	70	3.5	.9	3.2	.6	--	12	5.0
A23...	0720	--	--	--	--	--	--	--	--	--	--	--
01188440 - PEQUABUCK RIVER AT TERRYVILLE CONN (LAT 41 40 43 LONG 073 00 05)												
AUG., 1971												
23...	0850	--	8.5	960	70	14	3.9	11	2.3	--	37	16
A23...	0850	--	--	--	--	--	--	--	--	--	--	--
01188491 - TRIBUTARY TO PEQUABUCK RIVER NEAR BRISTOL CONN (LAT 41 46 26 LONG 072 48 46)												
MAY , 1971												
10...	1200	--	6.2	190	30	8.0	2.9	27	2.0	--	9	16
A10...	1200	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	0930	--	12	50	140	21	7.3	57	2.8	--	30	18
A26...	0930	--	--	--	--	--	--	--	--	--	--	--
01188496 - PEQUABUCK RIVER AT BRISTOL CONN (LAT 41 40 09 LONG 072 55 30)												
AUG., 1971												
23...	1050	--	7.4	110	100	26	5.3	48	6.8	--	56	23
A23...	105	--	--	--	--	--	--	--	--	--	--	--
01188497 - PEQUABUCK RIVER AT FORESTVILLE CONN (LAT 41 40 15 LONG 072 55 04)												
AUG., 1971												
23...	1235	--	11	910	170	19	6.5	39	8.6	--	12	40
A23...	1235	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

CONNECTICUT RIVER BASIN--Continued

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)
01188040 - PUNCH BROOK NEAR BURLINGTON CONN (LAT 41 45 31 LONG 072 56 35)												
MAY , 1971												
10...	1.6	--	--	.0	.00	26	23	7	3	4	--	4
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
20...	1.3	.0	--	.0	.00	--	25	7	0	7	--	10
A20...	--	--	--	--	--	--	--	--	--	--	--	--
01188090 - FARMINGTON RIVER AT UNIONVILLE CONN (LAT 41 45 21 LONG 072 53 14)												
AUG., 1971												
23...	12	.1	--	.0	.12	--	50	24	11	13	--	--
A23...	--	--	--	--	--	--	--	--	--	--	--	--
01188091 - JIM BROOK NEAR CANTON CONN (LAT 41 50 54 LONG 072 53 04)												
MAY , 1971												
10...	5.0	--	--	.0	.01	54	40	17	8	9	--	15
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
20...	2.6	.1	--	.4	.00	--	75	46	0	46	--	3
A20...	--	--	--	--	--	--	--	--	--	--	--	--
01188142 - PEQUABUCK RIVER NEAR TERRYVILLE CONN (LAT 41 42 23 LONG 073 01 44)												
MAY , 1971												
10...	3.5	--	--	.1	.02	--	24	10	7	3	--	15
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
20...	2.6	.0	--	.4	.06	--	32	10	2	8	--	15
A20...	--	--	--	--	--	--	--	--	--	--	--	--
01188145 - PEQUABUCK RIVER NEAR TERRYVILLE CONN (LAT 41 41 50 LONG 073 01 20)												
AUG., 1971												
23...	3.2	.1	--	.0	.03	--	32	12	2	10	--	--
A23...	--	--	--	--	--	--	--	--	--	--	--	--
01188442 - PEQUABUCK RIVER AT TERRYVILLE CONN (LAT 41 40 45 LONG 073 00 05)												
AUG., 1971												
23...	20	.1	--	5.3	.03	--	97	51	21	30	--	--
A23...	--	--	--	--	--	--	--	--	--	--	--	--
01188491 - TRIBUTARY TO PEQUABUCK RIVER NEAR BRISTOL CONN (LAT 41 44 26 LONG 072 48 46)												
MAY , 1971												
10...	51	--	--	2.4	.06	132	110	32	25	7	--	6
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
20...	76	.3	--	6.7	.03	--	199	82	58	25	--	2
A20...	--	--	--	--	--	--	--	--	--	--	--	--
01188496 - PEQUABUCK RIVER AT BRISTOL CONN (LAT 41 40 09 LONG 072 55 38)												
AUG., 1971												
23...	73	.1	--	8.6	.10	--	221	82	37	46	--	--
A23...	--	--	--	--	--	--	--	--	--	--	--	--
01188497 - PEQUABUCK RIVER AT FORESTVILLE CONN (LAT 41 40 19 LONG 072 55 04)												
AUG., 1971												
23...	41	.4	--	71	7.7	--	255	66	56	10	--	--
A23...	--	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
CONNECTICUT RIVER BASIN--Continued												
01188040 - PUNCH BROOK NEAR BURLINGTON CONN (LAT 41 45 31 LONG 072 56 35)												
MAY , 1971												
10...	26	6.3	0	--	--	--	--	--	--	--	--	--
A10...	27	--	--	--	11.5	--	--	--	--	--	--	--
AUG.												
26...	29	6.6	0	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	15.5	--	--	--	--	--	--	--
01188090 - FARMINGTON RIVER AT UNIONVILLE CONN (LAT 41 45 21 LONG 072 53 14)												
AUG., 1971												
23...	96	7.6	--	--	--	--	--	--	--	--	--	--
A23...	72	8.4	--	--	25.0	--	9.5	113	--	12000	72	400
01188091 - JIM BROOK NEAR CANTON CONN (LAT 41 50 56 LONG 072 53 06)												
MAY , 1971												
10...	56	6.8	0	--	12.5	--	--	--	--	--	--	--
A10...	56	--	--	--	12.5	--	--	--	--	--	--	--
AUG.												
26...	111	7.5	1	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	16.5	22.5	--	--	--	--	--	--
01188140 - PEQUABUCK RIVER NEAR TERRYVILLE CONN (LAT 41 42 23 LONG 073 01 44)												
MAY , 1971												
10...	38	6.0	0	--	--	--	--	--	--	--	--	--
A10...	38	--	--	--	12.0	--	--	--	--	--	--	--
AUG.												
26...	39	6.2	1	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	15.5	--	--	--	--	--	--	--
01188145 - PEQUABUCK RIVER NEAR TERRYVILLE CONN (LAT 41 41 50 LONG 073 01 20)												
AUG., 1971												
23...	60	6.6	--	--	--	--	--	--	--	--	--	--
A23...	60	6.4	--	--	20.0	--	7.5	82	--	2800	240	230
01188440 - PEQUABUCK RIVER AT TERRYVILLE CONN (LAT 41 40 43 LONG 073 00 05)												
AUG., 1971												
23...	163	7.0	--	--	--	--	--	--	--	--	--	--
A23...	175	6.8	--	--	19.0	--	9.7	106	--	--	--	--
01188491 - TRIBUTARY TO PEQUABUCK RIVER NEAR BRISTOL CONN (LAT 41 44 26 LONG 072 58 46)												
MAY , 1971												
10...	224	6.5	0	--	--	--	--	--	--	--	--	--
A10...	225	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	375	7.0	0	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	17.5	--	--	--	--	--	--	--
01188496 - PEQUABUCK RIVER AT BRISTOL CONN (LAT 41 40 09 LONG 072 55 30)												
AUG., 1971												
23...	406	7.2	--	--	--	--	--	--	--	--	--	--
A23...	415	7.6	--	--	21.0	--	9.2	102	--	65000	610	560
01188497 - PEQUABUCK RIVER AT FORESTVILLE CONN (LAT 41 40 15 LONG 072 55 06)												
AUG., 1971												
23...	395	6.7	--	--	--	--	--	--	--	--	--	--
A23...	400	6.9	--	--	25.0	--	8.6	102	--	820	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
CONNECTICUT RIVER BASIN--Continued												
01189010 - PEQUABUCK RIVER NEAR FORESTVILLE CONN (LAT 41 40 17 LONG 072 52 34)												
AUG., 1971												
23...	1445	--	12	190	170	21	4.2	34	5.3	--	21	39
A23...	1445	--	--	--	--	--	--	--	--	--	--	--
01189030 - PEQUABUCK RIVER AT FARMINGTON, CONN. (LAT 41 43 00 LONG 072 50 25)												
AUG., 1971												
23...	1545	--	11	240	200	22	4.7	28	5.5	--	35	25
A23...	1545	--	--	--	--	--	--	--	--	--	--	--
01189035 - FARMINGTON RIVER AT FARMINGTON CONN (LAT 41 43 43 LONG 072 49 44)												
AUG., 1971												
23...	1635	--	4.7	160	30	10	2.3	11	1.4	--	24	13
A23...	1635	--	--	--	--	--	--	--	--	--	--	--
01189040 - GREAT BROOK NEAR FARMINGTON CONN (LAT 41 44 26 LONG 072 48 46)												
MAY , 1971												
10...	1020	--	12	80	0	19	4.2	5.9	.8	--	38	25
A10...	1020	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1020	--	10	80	0	20	3.2	4.0	.5	--	50	12
A26...	1020	--	--	--	--	--	--	--	--	--	--	--
01189100 - CIDER BROOK NEAR AVON CONN (LAT 41 46 44 LONG 072 49 02)												
MAY , 1971												
10...	1755	--	8.7	50	0	8.0	1.5	2.4	.2	--	12	19
A10...	1755	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	0955	--	17	30	10	43	6.6	5.6	.8	--	120	41
A26...	0955	--	--	--	--	--	--	--	--	--	--	--
01189120 - FARMINGTON RIVER AT AVON CONN (LAT 41 48 24 LONG 072 49 23)												
AUG., 1971												
23...	1810	--	3.9	120	130	12	2.5	12	1.8	--	32	16
A23...	1810	--	--	--	--	--	--	--	--	--	--	--
01189130 - WIGGIN BROOK AT CROWLEYS CORNER CONN (LAT 41 48 53 LONG 072 52 04)												
MAY , 1971												
10...	1920	--	9.7	100	0	10	1.2	2.0	.2	--	28	12
A10...	1920	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1128	--	11	80	0	14	1.5	2.4	.3	--	40	9.7
A26...	1128	--	--	--	--	--	--	--	--	--	--	--
01189160 - KING PHILLIP BROOK NEAR WEATOGUE CONN (LAT 41 50 18 LONG 072 47 18)												
MAY , 1971												
10...	1740	--	11	120	0	7.0	2.1	4.3	.1	--	16	16
A10...	1740	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1247	--	16	50	20	23	4.7	7.5	.3	--	83	15
A26...	1247	--	--	--	--	--	--	--	--	--	--	--
01189320 - MOUNTAIN BROOK AT NORTH GRANBY CONN (LAT 41 59 39 LONG 072 49 48)												
MAY , 1971												
10...	1215	--	7.2	100	0	3.0	.7	1.6	.2	--	5	8.6
A10...	1215	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1605	--	7.9	--	--	8.0	1.0	3.6	1.0	--	23	8.4
A26...	1605	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOS- PHORUS (PO4) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)
CONNECTICUT RIVER BASIN--Continued												
01189010 - PEQUABUCK RIVER NEAR FORESTVILLE CONN (LAT 41 40 17 LONG 072 52 34)												
AUG., 1971												
23...	48	.4	16	2.6	7.4	--	201	70	53	17	--	--
A23...	--	--	--	--	--	--	--	--	--	--	--	--
01189030 - PEQUABUCK RIVER AT FARMINGTON, CONN. (LAT 41 43 00 LONG 072 50 25)												
AUG., 1971												
23...	41	.3	--	43	5.8	--	208	74	46	29	--	--
A23...	--	--	--	--	--	--	--	--	--	--	--	--
01189035 - FARMINGTON RIVER AT FARMINGTON CONN (LAT 41 43 43 LONG 072 49 44)												
AUG., 1971												
23...	17	.1	--	2.6	1.2	--	75	34	14	20	--	--
A23...	--	--	--	--	--	--	--	--	--	--	--	--
01189040 - GREAT BROOK NEAR FARMINGTON CONN (LAT 41 44 26 LONG 072 48 46)												
MAY , 1971												
10...	15	--	--	.4	.10	117	102	65	34	31	--	17
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	11	.1	--	.0	.31	--	86	63	22	41	--	3
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01189100 - CIDER BROOK NEAR AVON CONN (LAT 41 46 44 LONG 072 49 02)												
MAY , 1971												
10...	2.3	--	--	.1	.03	58	48	26	16	10	--	18
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	2.6	.1	--	1.3	.05	--	178	135	36	98	--	1
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01189120 - FARMINGTON RIVER AT AVON CONN (LAT 41 48 24 LONG 072 49 23)												
AUG., 1971												
23...	18	.3	--	3.5	1.7	--	87	40	14	26	--	--
A23...	--	--	--	--	--	--	--	--	--	--	--	--
01189130 - WIGGIN BROOK AT CROWLEYS CORNER CONN (LAT 41 48 53 LONG 072 52 04)												
MAY , 1971												
10...	2.3	--	--	.0	.03	72	51	30	7	23	--	35
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1.7	.0	--	.0	.00	--	61	41	8	33	--	3
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01189160 - KING PHILLIP BROOK NEAR WEATOGUE CONN (LAT 41 50 18 LONG 072 47 18)												
MAY , 1971												
10...	5.0	--	--	.0	.03	61	53	26	13	13	--	9
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	6.3	.1	--	.0	.03	--	115	77	9	68	--	1
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01189320 - MOUNTAIN BROOK AT NORTH GRANBY CONN (LAT 41 59 39 LONG 072 49 48)												
MAY , 1971												
10...	1.6	--	--	.0	--	42	25	10	6	4	--	5
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	3.5	.1	--	4.0	1.2	--	54	24	5	19	--	4
A26...	--	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

CONNECTICUT RIVER BASIN--Continued

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
01189010 - PEQUABUCK RIVER NEAR FORESTVILLE CONN (LAT 41 40 17 LONG 072 52 34)												
AUG., 1971												
23...	355	6.1	--	--	--	--	--	--	--	--	--	--
A23...	400	7.4	--	--	26.0	--	11.5	140	--	1200	60	40
01189030 - PEQUABUCK RIVER AT FARMINGTON, CONN. (LAT 41 43 00 LONG 072 50 25)												
AUG., 1971												
23...	324	6.5	--	--	--	--	--	--	--	--	--	--
A23...	360	6.7	--	--	22.0	--	2.6	29	--	12000	1700	480
01189035 - FARMINGTON RIVER AT FARMINGTON CONN (LAT 41 43 43 LONG 072 49 44)												
AUG., 1971												
23...	128	7.2	--	--	--	--	--	--	--	--	--	--
A23...	134	8.2	--	--	26.0	--	9.9	120	--	2000	240	200
01189040 - GREAT BROOK NEAR FARMINGTON CONN (LAT 41 44 26 LONG 072 48 46)												
MAY , 1971												
10...	169	7.4	2	--	--	--	--	--	--	--	--	--
A10...	156	--	--	--	11.5	--	--	--	--	--	--	--
AUG.												
26...	144	7.3	0	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	16.0	20.0	--	--	--	--	--	--
01189100 - CIDER BROOK NEAR AVON CONN (LAT 41 46 44 LONG 072 49 02)												
MAY , 1971												
10...	67	6.9	0	--	--	--	--	--	--	--	--	--
A10...	71	--	--	--	14.0	--	--	--	--	--	--	--
AUG.												
26...	281	7.8	0	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	14.0	21.0	--	--	--	--	--	--
01189120 - FARMINGTON RIVER AT AVON CONN (LAT 41 48 24 LONG 072 49 23)												
AUG., 1971												
23...	151	7.2	--	--	--	--	--	--	--	--	--	--
A23...	155	7.6	--	--	25.0	--	10.7	128	--	--	--	--
01189130 - WIGGIN BROOK AT CROWLEYS CORNER CONN (LAT 41 48 53 LONG 072 52 04)												
MAY , 1971												
10...	74	7.0	0	--	--	--	--	--	--	--	--	--
A10...	72	--	--	--	13.0	--	--	--	--	--	--	--
AUG.												
26...	91	7.4	1	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	18.5	21.5	--	--	--	--	--	--
01189160 - KING PHILLIP BROOK NEAR WEATOGUE CONN (LAT 41 50 18 LONG 072 47 18)												
MAY , 1971												
10...	81	6.8	2	--	--	--	--	--	--	--	--	--
A10...	79	--	--	--	11.0	--	--	--	--	--	--	--
AUG.												
26...	184	7.3	0	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	17.5	23.5	--	--	--	--	--	--
01189320 - MOUNTAIN BROOK AT NORTH GRANBY CONN (LAT 41 59 39 LONG 072 45 48)												
MAY , 1971												
10...	34	6.5	--	--	--	--	--	--	--	--	--	--
A10...	34	--	--	--	12.0	--	--	--	--	--	--	--
AUG.												
26...	77	6.4	1	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	21.0	24.0	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
CONNECTICUT RIVER BASIN--Continued												
01189394 - HIGHLEY BROOK AT WEST GRANBY CONN (LAT 41 57 37 LONG 072 51 09)												
MAY , 1971												
10...	1740	--	7.8	60	0	3.5	1.0	2.2	.2	--	8	8.7
A10...	1740	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1443	--	11	60	20	5.0	1.7	3.8	.6	--	17	9.7
A26...	1443	--	--	--	--	--	--	--	--	--	--	--
01189420 - BISSELL BROOK NEAR WEST GRANBY CONN (LAT 41 54 50 LONG 072 50 50)												
MAY , 1971												
10...	1755	--	5.0	40	0	8.0	.8	3.4	.2	--	16	15
A10...	1755	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1412	--	8.6	260	30	10	1.4	3.3	.5	--	22	10
A26...	1412	--	--	--	--	--	--	--	--	--	--	--
01189520 - HOLCOMB BROOK AT EAST GRANBY CONN (LAT 41 56 54 LONG 072 44 28)												
MAY , 1971												
10...	1805	--	8.9	50	0	25	6.6	3.9	.6	--	74	23
A10...	1805	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1333	--	15	540	30	37	11	5.0	.6	--	150	26
A26...	1333	--	--	--	--	--	--	--	--	--	--	--
01190000 - FARMINGTON RIVER AT RAINBOW CONN (LAT 41 54 41 LONG 072 41 16)												
OCT., 1970												
14...	1330	--	7.8	60	230	32	7.2	23	3.5	5.6	98	37
A14...	1330	106	--	--	--	--	--	--	--	--	--	--
NOV.												
11...	1515	--	5.6	190	60	14	2.8	11	1.8	.64	34	18
A11...	1515	20	--	--	--	--	--	--	--	--	--	--
DEC.												
09...	1540	--	6.0	130	70	12	2.0	8.8	1.4	.13	26	15
A09...	1540	116	--	--	--	--	--	--	--	--	--	--
JAN., 1971												
13...	1635	--	8.6	100	620	33	6.7	27	3.3	--	89	47
A13...	1635	137	--	--	--	--	--	--	--	--	--	--
01192681 - KENMERE RESERVOIR NEAR MERIDEN CONN (LAT 41 35 42 LONG 072 48 36)												
JUNE, 1971												
10...	0915	--	6.7	160	0	16	4.4	3.9	.6	--	50	19
A10...	0915	--	--	--	--	--	--	--	--	--	--	--
01192682 - MERIMERE RESERVOIR NEAR MERIDEN CONN (LAT 41 34 03 LONG 072 49 26)												
JUNE, 1971												
10...	1000	--	5.2	--	--	9.9	2.5	2.7	.2	--	25	11
A10...	1000	--	--	--	--	--	--	--	--	--	--	--
01192683 - MATTABESSET RIVER NEAR KENSINGTON CONN (LAT 41 37 10 LONG 072 47 37)												
AUG., 1971												
26...	0720	--	12	160	120	36	8.8	5.7	.7	.08	114	20
A26...	0720	--	--	--	--	--	--	--	--	--	--	--
01192687 - NORTH BROOK NEAR BERLIN CONN (LAT 41 36 45 LONG 072 46 45)												
MAY , 1971												
14...	0850	--	8.2	160	0	28	6.7	4.5	.5	--	79	24
A14...	0850	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0720	--	13	170	40	40	9.6	6.5	.7	--	120	27
A08...	0720	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
CONNECTICUT RIVER BASIN--Continued												
01189394 - HIGHLEY BROOK AT WEST GRANBY CONN (LAT 41 57 37 LONG 072 51 09)												
MAY , 1971												
10...	2.2	--	--	.0	.07	35	30	13	6	7	--	3
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	3.2	.1	--	.9	.30	--	44	19	6	14	--	2
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01189420 - BISSELL BROOK NEAR WEST GRANBY CONN (LAT 41 54 50 LONG 072 50 50)												
MAY , 1971												
10...	3.6	--	--	.1	.02	58	44	23	10	13	--	35
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	4.1	.0	--	1.8	.03	--	51	31	13	18	--	2
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01189520 - HOLCOMB BROOK AT EAST GRANBY CONN (LAT 41 56 54 LONG 072 44 28)												
MAY , 1971												
10...	6.9	--	--	1.6	.07	131	113	90	29	61	--	4
A10...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	10	.1	--	4.0	.03	--	182	138	15	123	--	8
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01190000 - FARMINGTON RIVER AT RAINBOW CONN (LAT 41 54 41 LONG 072 41 16)												
OCT., 1970												
14...	36	.1	.22	3.5	1.0	206	205	110	29	80	--	15
A14...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
11...	18	.1	.41	5.0	.96	100	95	46	18	28	--	10
A11...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
09...	15	.1	.03	6.6	.90	91	82	42	20	21	--	5
A09...	--	--	--	--	--	--	--	--	--	--	--	--
JAN., 1971												
13...	42	--	--	7.5	1.3	215	216	120	47	73	--	1
A13...	--	--	--	--	--	--	--	--	--	--	--	--
01192681 - KENMERE RESERVOIR NEAR MERIDEN CONN (LAT 41 35 42 LONG 072 48 36)												
JUNE, 1971												
10...	4.8	.0	--	.0	.03	--	80	58	17	41	.03	12
A10...	--	--	--	--	--	--	--	--	--	--	--	--
01192682 - MERIMERE RESERVOIR NEAR MERIDEN CONN (LAT 41 34 03 LONG 072 49 26)												
JUNE, 1971												
10...	3.5	.0	--	.0	.00	--	47	35	15	20	.02	6
A10...	--	--	--	--	--	--	--	--	--	--	--	--
01192683 - MATTABESSET RIVER NEAR KENSINGTON CONN (LAT 41 37 10 LONG 072 47 37)												
AUG., 1971												
26...	9.2	.1	.03	3.1	.03	--	152	126	33	96	--	2
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01192687 - NORTH BROOK NEAR BERLIN CONN (LAT 41 36 45 LONG 072 46 45)												
MAY , 1971												
14...	8.3	--	--	3.7	.16	133	123	97	33	65	--	15
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	11	.1	--	7.1	.15	--	174	139	41	98	--	6
A08...	--	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
CONNECTICUT RIVER BASIN--Continued												
01189394 - HIGHLEY BROOK AT WEST GRANBY CONN (LAT 41 57 37 LONG 072 51 09)												
MAY , 1971												
10...	39	6.8	0	--	--	--	--	--	--	--	--	--
A10...	41	--	--	--	12.0	--	--	--	--	--	--	--
AUG.												
26...	64	7.0	0	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	17.5	23.0	--	--	--	--	--	--
01189420 - BISSELL BROOK NEAR WEST GRANBY CONN (LAT 41 54 50 LONG 072 56 50)												
MAY , 1971												
10...	70	6.7	0	--	--	--	--	--	--	--	--	--
A10...	71	--	--	--	14.0	--	--	--	--	--	--	--
AUG.												
26...	81	6.9	1	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	18.0	23.0	--	--	--	--	--	--
01189520 - HOLCOMB BROOK AT EAST GRANBY CONN (LAT 41 56 54 LONG 072 44 28)												
MAY , 1971												
10...	200	7.5	1	--	--	--	--	--	--	--	--	--
A10...	205	--	--	--	13.0	--	--	--	--	--	--	--
AUG.												
26...	288	7.0	--	--	--	--	--	--	--	--	--	--
A26...	--	--	--	--	17.0	23.5	--	--	--	--	--	--
01190000 - FARMINGTON RIVER AT RAINBOW CONN (LAT 41 54 41 LONG 072 41 16)												
OCT., 1970												
14...	376	7.5	--	2	--	--	--	--	--	--	--	--
A14...	450	7.5	--	--	20.5	25.0	6.7	91	--	600000	57000	4700
NOV.												
11...	172	7.0	--	2	--	--	--	--	--	--	--	--
A11...	175	6.6	--	--	10.0	15.0	10.3	91	--	18000	2400	500
DEC.												
09...	147	7.0	--	3	--	--	--	--	--	--	--	--
A09...	160	6.6	--	--	3.0	.0	9.4	70	--	29000	4100	3700
JAN., 1971												
13...	390	7.2	--	8	--	--	--	--	--	--	--	--
A13...	394	7.2	--	--	4.0	--	8.0	61	--	180000	6900	20000
01192681 - KENMERE RESERVOIR NEAR MERIDEN CONN (LAT 41 35 42 LONG 072 48 36)												
JUNE, 1971												
10...	143	7.3	--	--	--	--	--	--	--	--	--	--
A10...	--	--	--	--	22.0	--	--	--	--	--	--	--
01192682 - MERIMERE RESERVOIR NEAR MERIDEN CONN (LAT 41 36 03 LONG 072 45 26)												
JUNE, 1971												
10...	91	7.2	--	--	--	--	--	--	--	--	--	--
A10...	--	--	--	--	20.5	--	--	--	--	--	--	--
01192683 - MATTABESSET RIVER NEAR KENSINGTON CONN (LAT 41 37 10 LONG 072 47 37)												
AUG., 1971												
26...	253	7.5	1	1	--	--	--	--	1.6	--	--	--
A26...	246	7.7	--	--	18.0	--	8.5	89	--	3200	240	800
01192687 - NORTH BROOK NEAR BERLIN CONN (LAT 41 36 45 LONG 072 46 45)												
MAY , 1971												
14...	203	8.0	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	11.5	--	--	--	--	--	--	--
SEP.												
08...	289	7.7	1	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	17.0	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

CONNECTICUT RIVER BASIN--Continued

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
01192688 - WASEL RESERVOIR NEAR NEW BRITAIN CONN (LAT 41 38 02 LONG 072 48 53)												
JUNE, 1971												
10...	0830	--	2.8	90	40	4.0	1.2	2.9	.5	--	10	9.7
A10...	0830	--	--	--	--	--	--	--	--	--	--	--
01192689 - SHUTTLE MEADOW RESERVOIR NEAR NEW BRITAIN CONN (LAT 41 38 43 LONG 072 49 13)												
JUNE, 1971												
10...	0800	--	4.8	50	0	10	2.2	4.1	.5	--	18	13
A10...	0800	--	--	--	--	--	--	--	--	--	--	--
01192692 - WILLOW BROOK AT NEW BRITAIN CONN (LAT 41 39 10 LONG 072 47 06)												
AUG., 1971												
26...	0940	--	14	60	30	39	11	12	1.3	.05	107	28
A26...	0940	--	--	--	--	--	--	--	--	--	--	--
01192695 - WILLOW BROOK AT BERLIN CONN (LAT 41 28 24 LONG 072 44 47)												
AUG., 1971												
26...	1145	--	11	50	480	54	16	22	2.4	.27	160	48
A26...	1145	--	--	--	--	--	--	--	--	--	--	--
01192696 - ROCKHOLE BROOK NEAR NEWINGTON CONN (LAT 41 39 44 LONG 072 44 25)												
MAY , 1971												
14...	0810	--	2.7	270	40	25	5.5	10	1.0	--	78	20
A14...	0810	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0630	--	14	170	100	56	14	32	1.4	--	174	23
A08...	0630	--	--	--	--	--	--	--	--	--	--	--
01192700 - MATTABESSET RIVER AT EAST BERLIN CONN (LAT 41 37 08 LONG 072 42 48)												
OCT., 1970												
01...	1350	19	--	--	--	--	--	--	--	--	--	--
02...	1310	19	--	--	--	--	--	--	--	--	--	--
AUG., 1971												
24...	1400	--	--	23	40	--	--	--	--	--	--	--
A24...	1400	16	--	--	--	--	--	--	--	--	--	--
26...	1230	--	7.5	30	40	46	14	18	1.5	.35	150	40
A26...	1230	15	--	--	--	--	--	--	--	--	--	--
01192710 - BRADLEY BROOK AT EAST BERLIN, CONN. (LAT 41 36 22 LONG 072 43 12)												
MAY , 1971												
14...	0945	--	4.2	480	0	21	6.3	4.9	1.2	--	58	27
A14...	0945	--	--	--	--	--	--	--	--	--	--	--
A14P..	1115	--	--	--	--	--	--	--	--	--	--	--
14...	1115	--	13	250	20	25	7.2	6.6	1.5	--	82	26
SEP.												
08...	0820	--	13	250	20	25	7.2	6.6	1.5	--	82	26
A08...	0820	--	--	--	--	--	--	--	--	--	--	--
01192720 - SAWMILL BROOK NEAR WESTFIELD, CONN. (LAT 41 34 42 LONG 072 43 23)												
MAY , 1971												
14...	0920	--	8.6	560	0	26	7.0	11	.6	--	61	23
A14...	0920	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0750	--	1.3	170	30	33	12	16	.6	--	109	17
A08...	0750	--	--	--	--	--	--	--	--	--	--	--
01192725 - MOUNT HIGBY RESERVOIR NEAR MIDDLEFIELD CONN (LAT 41 33 00 LONG 072 43 22)												
JUNE, 1971												
09...	1400	--	5.6	100	50	7.1	2.7	7.6	.3	--	14	17
A09...	1400	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
CONNECTICUT RIVER BASIN--Continued												
01192680 - WASEL RESERVOIR NEAR NEW BRITAIN CONN (LAT 41 38 02 LONG 072 48 53)												
JUNE, 1971												
10...	3.6	.0	--	.4	.03	--	30	15	7	8	.02	9
A10...	--	--	--	--	--	--	--	--	--	--	--	--
01192689 - SHUTTLE MEADOW RESERVOIR NEAR NEW BRITAIN CONN (LAT 41 38 43 LONG 072 49 13)												
JUNE, 1971												
10...	7.6	.0	--	.9	.00	--	52	34	19	15	.03	3
A10...	--	--	--	--	--	--	--	--	--	--	--	--
01192692 - WILLOW BROOK AT NEW BRITAIN CONN (LAT 41 39 10 LONG 072 47 06)												
AUG., 1971												
26...	32	.1	.07	8.4	.06	--	195	143	55	88	--	10
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01192695 - WILLOW BROOK AT BERLIN CONN (LAT 41 28 24 LONG 072 44 47)												
AUG., 1971												
26...	38	.2	.10	.4	1.5	--	273	201	69	131	--	8
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01192696 - BECKHOLE BROOK NEAR NEWINGTON CONN (LAT 41 39 44 LONG 072 44 25)												
MAY , 1971												
14...	17	--	--	.0	.22	128	120	85	21	64	--	12
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	56	.2	--	5.8	.46	--	280	197	55	143	--	15
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01192700 - MATTABESSET RIVER AT EAST BERLIN CONN (LAT 41 37 08 LONG 072 42 40)												
OCT., 1970												
01...	--	--	--	--	--	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--	--	--	--	--	--
AUG., 1971												
24...	--	--	--	--	--	--	--	--	--	--	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--
26...	31	.2	.13	2.6	.71	--	236	172	49	123	--	3
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01192710 - BRADLEY BROOK AT EAST BERLIN, CONN. (LAT 41 36 22 LONG 072 43 12)												
MAY , 1971												
14...	8.0	--	--	.0	.10	115	101	78	31	48	--	32
A14...	--	--	--	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	8.2	.1	--	--	--	--	--	--	--	67	--	35
SEP.												
08...	8.2	.1	--	.9	.15	--	130	92	25	67	--	35
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01192720 - SAWMILL BROOK NEAR WESTFIELD, CONN. (LAT 41 34 42 LONG 072 43 23)												
MAY , 1971												
14...	27	--	--	.9	.13	144	134	94	44	50	--	9
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	16	.1	--	.0	.03	--	168	132	42	89	--	8
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01192725 - MOUNT HIGBY RESERVOIR NEAR MIDDLEFIELD, CONN. (LAT 41 33 00 LONG 072 43 22)												
JUNE, 1971												
09...	14	.0	--	.0	.03	--	61	29	17	7	.03	6
A09...	--	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
CONNECTICUT RIVER BASIN--Continued												
01192688 - WASEL RESERVOIR NEAR NEW BRITAIN CONN (LAT 41 38 02 LONG 072 48 33)												
JUNE, 1971												
10...	45	6.5	--	--	--	--	--	--	--	--	--	--
A10...	--	--	--	--	21.0	--	--	--	--	--	--	--
01192689 - SHUTTLE MEADOW RESERVOIR NEAR NEW BRITAIN CONN (LAT 41 38 43 LONG 072 49 13)												
JUNE, 1971												
10...	88	7.1	--	--	--	--	--	--	--	--	--	--
A10...	--	--	--	--	21.0	--	--	--	--	--	--	--
01192692 - WILLOW BROOK AT NEW BRITAIN CONN (LAT 41 39 10 LONG 072 47 06)												
AUG., 1971												
26...	336	7.5	1	1	--	--	--	--	2.6	--	--	--
A26...	340	7.6	--	--	16.5	--	9.5	96	--	16000	820	1100
01192695 - WILLOW BROOK AT BERLIN CONN (LAT 41 38 24 LONG 072 44 47)												
AUG., 1971												
26...	470	7.2	2	3	--	--	--	--	6.0	--	--	--
A26...	480	7.2	--	--	19.5	--	2.4	26	--	40000	11000	4700
01192696 - ROCKHOLE BROOK NEAR NEWINGTON CONN (LAT 41 39 44 LONG 072 44 25)												
MAY , 1971												
14...	219	7.5	7	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	11.5	--	--	--	--	--	--	--
SEP.												
08...	511	7.8	1	3	--	--	--	--	--	--	--	--
A08...	--	--	--	--	19.0	--	--	--	--	--	--	--
01192700 - MATTABESSET RIVER AT EAST BERLIN CONN (LAT 41 37 08 LONG 072 42 48)												
OCT., 1970												
01...	--	--	--	--	16.0	21.5	--	--	--	--	--	--
02...	--	--	--	--	15.0	16.5	--	--	--	--	--	--
AUG., 1971												
24...	--	--	--	--	--	--	--	--	--	--	--	--
A24...	--	--	--	--	--	--	--	--	--	--	--	--
26...	409	7.9	1	1	--	--	--	--	2.4	--	--	--
A26...	400	7.6	--	--	20.0	--	8.8	96	--	3600	930	42
01192710 - BRADLEY BROOK AT EAST BERLIN, CONN. (LAT 41 36 22 LONG 072 43 12)												
MAY , 1971												
14...	173	7.0	--	--	--	--	--	--	--	--	--	--
A14...	--	--	2	--	12.0	--	--	--	--	--	--	--
A14...	--	--		--	--	--	--	--	--	--	--	--
14...	211	7.4	8	--	--	--	--	--	--	--	--	--
SEP.												
08...	211	7.4	2	4	--	--	--	--	--	--	--	--
A08...	--	--	--	--	20.0	--	--	--	--	--	--	--
01192720 - SAWMILL BROOK NEAR WESTFIELD, CONN. (LAT 41 34 42 LONG 072 43 23)												
MAY , 1971												
14...	235	7.4	5	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	13.0	--	--	--	--	--	--	--
SEP.												
08...	322	7.7	1	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	20.5	--	--	--	--	--	--	--
01192725 - MOUNT HIGBY RESERVOIR NEAR MIDDLEFIELD, CONN. (LAT 41 33 00 LONG 072 43 22)												
JUNE, 1971												
09...	112	7.6	--	--	--	--	--	--	--	--	--	--
A09...	--	--	--	--	22.0	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
CONNECTICUT RIVER BASIN--Continued												
01192750 - TRIBUTARY TO MATTABESSET RIVER NEAR WESTFIELD CT (LAT 41 36 23 LONG 072 41 54)												
MAY , 1971												
14...	1010	--	4.4	560	43	25	6.7	18	1.2	--	57	30
A14...	1010	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0850	--	10	120	50	42	10	25	1.4	--	101	27
A08...	0850	--	--	--	--	--	--	--	--	--	--	--
01192790 - COGINCHAUG RIVER NEAR DURHAM CONN (LAT 41 26 37 LONG 072 41 19)												
MAY , 1971												
14...	1130	--	7.7	260	0	13	3.7	4.2	.5	--	38	15
A14...	1130	--	--	--	--	--	--	--	--	--	--	--
AUG.												
27...	0730	--	7.1	50	0	25	6.9	5.9	.6	--	95	15
A27...	0730	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1030	--	7.8	120	60	22	6.8	6.8	.9	--	87	15
A08...	1030	--	--	--	--	--	--	--	--	--	--	--
01192800 - PARMALEE BROOK NEAR DURHAM, CONN. (LAT 41 27 08 LONG 072 42 08)												
MAY , 1971												
14...	1115	--	7.4	190	0	18	5.7	6.9	.6	--	52	26
A14...	1115	20	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1000	--	12	360	150	39	13	13	1.2	--	124	47
A08...	1000	1.6	--	--	--	--	--	--	--	--	--	--
01192820 - ALLYN BROOK AT DURHAM, CONN. (LAT 41 28 26 LONG 072 40 59)												
MAY , 1971												
14...	1100	--	8.0	360	30	14	2.7	5.2	.9	--	34	18
A14...	1100	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0940	--	7.5	170	80	24	4.6	9.3	1.7	--	77	22
A08...	0940	--	--	--	--	--	--	--	--	--	--	--
01192889 - LAUREL BROOK RESERVOIR NEAR MIDDLEFIELD CONN (LAT 41 30 38 LONG 072 40 50)												
JUNE, 1971												
09...	1430	--	.3	90	0	15	2.3	5.8	.7	--	26	23
A09...	1430	--	--	--	--	--	--	--	--	--	--	--
01192890 - COGINCHAUG RIVER AT ROCKFALL CONN (LAT 41 32 10 LONG 072 41 16)												
AUG., 1971												
27...	1200	--	12	150	40	27	6.1	12	1.2	.08	88	18
A27...	1200	5.2	--	--	--	--	--	--	--	--	--	--
01192905 - COGINCHAUG RIVER AT MIDDLETOWN CONN (LAT 41 33 43 LONG 072 39 59)												
AUG., 1971												
27...	1300	--	3.9	190	160	21	5.0	18	1.8	.13	63	16
A27...	1300	--	--	--	--	--	--	--	--	--	--	--
01192908 - MATTABESSET RIVER AT MIDDLETOWN CONN (LAT 41 34 23 LONG 072 39 10)												
AUG., 1971												
26...	1400	--	1.0	60	10	17	2.9	14	2.0	.62	48	20
A26...	1400	--	--	--	--	--	--	--	--	--	--	--
01192913 - SUMNER BROOK NEAR MIDDLETOWN, CONN. (LAT 41 31 08 LONG 072 37 50)												
MAY , 1971												
14...	1145	--	7.7	220	0	8.5	1.6	3.9	.7	--	18	15
A14...	1145	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0820	--	8.3	130	50	11	1.7	4.7	.8	--	30	13
A08...	0820	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)
CONNECTICUT RIVER BASIN--Continued												
01192750 - TRIBUTARY TO MATTABESSET RIVER NEAR WESTFIELD CT (LAT 41 36 23 LONG 072 41 54)												
MAY , 1971												
14...	37	--	--	1.6	.08	166	192	90	43	46	--	20
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	57	.1	--	5.8	.31	--	220	146	63	83	--	4
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01192790 - COGINCHAUG RIVER NEAR DURHAM CONN (LAT 41 26 37 LONG 072 41 19)												
MAY , 1971												
14...	6.4	--	--	.7	.02	61	70	48	17	31	--	16
A14...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
27...	9.2	.1	--	1.8	.00	--	118	91	13	78	--	3
A27...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	9.9	.1	--	.9	.03	--	113	83	16	71	--	8
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01192800 - PARMALEE BROOK NEAR DURHAM, CONN. (LAT 41 27 08 LONG 072 42 08)												
MAY , 1971												
14...	11	--	--	1.0	.06	97	102	68	26	43	--	15
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	17	.1	--	4.0	.06	--	207	151	49	102	--	18
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01192820 - ALLYN BROOK AT DURHAM, CONN. (LAT 41 28 26 LONG 072 40 59)												
MAY , 1971												
14...	6.0	--	--	3.2	.08	72	75	46	18	28	--	7
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	9.0	.1	--	4.9	.03	--	121	79	16	63	--	2
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01192889 - LAUREL BROOK RESERVOIR NEAR MIDDLEFIELD CONN (LAT 41 30 38 LONG 072 40 50)												
JUNE, 1971												
09...	9.4	.0	--	.0	.03	--	69	47	26	21	.03	7
A09...	--	--	--	--	--	--	--	--	--	--	--	--
01192890 - COGINCHAUG RIVER AT ROCKFALL CONN (LAT 41 32 10 LONG 072 41 16)												
AUG., 1971												
27...	18	.1	.00	1.8	.12	--	140	93	20	72	--	16
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01192905 - COGINCHAUG RIVER AT MIDDLETOWN CONN (LAT 41 33 43 LONG 072 39 59)												
AUG., 1971												
27...	29	.1	.03	1.8	.15	--	128	73	21	52	--	13
A27...	--	--	--	--	--	--	--	--	--	--	--	--
01192908 - MATTABESSET RIVER AT MIDDLETOWN CONN (LAT 41 34 23 LONG 072 39 10)												
AUG., 1971												
26...	19	.1	.10	1.3	.58	--	102	54	15	39	--	17
A26...	--	--	--	--	--	--	--	--	--	--	--	--
01192913 - SUMNER BROOK NEAR MIDDLETOWN, CONN. (LAT 41 31 08 LONG 072 37 50)												
MAY , 1971												
14...	5.0	--	--	1.2	.07	48	53	28	13	15	--	3
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	4.3	.1	--	.9	.06	--	60	34	10	25	--	2
A08...	--	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
CONNECTICUT RIVER BASIN--Continued												
01192750 - TRIBUTARY TO MATTABESSET RIVER NEAR WESTFIELD CT (LAT 41 36 23 LONG 072 41 54)												
MAY , 1971												
14...	270	8.2	4	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	13.0	--	--	--	--	--	--	--
SEP.												
08...	410	7.0	1	4	--	--	--	--	--	--	--	--
A08...	--	--	--	--	20.0	--	--	--	--	--	--	--
01192790 - COGINCHAUG RIVER NEAR DURHAM CONN (LAT 41 26 37 LONG 072 41 19)												
MAY , 1971												
14...	114	7.6	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	16.5	--	--	--	--	--	--	--
AUG.												
27...	212	7.6	0	2	--	--	--	--	--	--	--	--
A27...	205	6.9	--	--	19.0	--	11.4	135	--	1500	800	700
SEP.												
08...	190	8.1	0	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	21.0	--	--	--	--	--	--	--
01192800 - PARMALEE BROOK NEAR DURHAM, CONN. (LAT 41 27 08 LONG 072 42 00)												
MAY , 1971												
14...	174	8.0	4	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	15.0	--	--	--	--	--	--	--
SEP.												
08...	349	7.4	10	15	--	--	--	--	--	--	--	--
A08...	--	--	--	--	20.0	--	--	--	--	--	--	--
01192820 - ALLYN BROOK AT DURHAM, CONN. (LAT 41 28 26 LONG 072 40 59)												
MAY , 1971												
14...	124	7.2	0	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	14.0	--	--	--	--	--	--	--
SEP.												
08...	206	7.3	1	4	--	--	--	--	--	--	--	--
A08...	--	--	--	--	20.5	--	--	--	--	--	--	--
01192889 - LAUREL BROOK RESERVOIR NEAR MIDDLEFIELD CONN (LAT 41 30 30 LONG 072 40 50)												
JUNE, 1971												
09...	130	7.1	--	--	--	--	--	--	--	--	--	--
A09...	--	--	--	--	24.0	--	--	--	--	--	--	--
01192890 - COGINCHAUG RIVER AT ROCKFALL CONN (LAT 41 32 10 LONG 072 41 30)												
AUG., 1971												
27...	242	7.5	1	0	--	--	--	--	1.4	--	--	--
A27...	240	7.5	0	0	20.0	--	10.9	125	1.4	9500	830	2900
01192905 - COGINCHAUG RIVER AT MIDDLETOWN CONN (LAT 41 33 43 LONG 072 39 59)												
AUG., 1971												
27...	220	7.1	1	1	--	--	--	--	1.2	--	--	--
A27...	225	7.3	--	--	22.0	--	8.5	97	--	12000	2000	10000
01192908 - MATTABESSET RIVER AT MIDDLETOWN CONN (LAT 41 34 23 LONG 072 39 10)												
AUG., 1971												
26...	187	7.0	1	1	--	--	--	--	3.7	--	--	--
A26...	170	7.5	--	--	24.5	--	6.4	75	--	29000	5000	860
01192913 - SUMNER BROOK NEAR MIDDLETOWN, CONN. (LAT 41 31 00 LONG 072 37 50)												
MAY , 1971												
14...	86	7.0	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	15.0	--	--	--	--	--	--	--
SEP.												
08...	97	7.0	1	3	--	--	--	--	--	--	--	--
A08...	--	--	--	--	19.0	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
CONNECTICUT RIVER BASIN--Continued												
01193150 - CANDLEWOOD HILL BROOK NEAR HIGGANUM, CONN. (LAT 41 29 26 LONG 072 35 49)												
MAY , 1971												
14...	1200	--	6.9	300	20	4.0	1.3	3.7	.7	--	8	11
A14...	1200	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0755	--	8.0	940	90	5.1	1.6	4.9	1.2	--	12	9.7
A08...	0755	3.4	--	--	--	--	--	--	--	--	--	--
01193135 - TRIBUTARY TO BIBLE ROCK BROOK NEAR HIGGANUM CONN (LAT 41 30 45 LONG 072 35 33)												
SEP., 1971												
01...	1015	--	11	370	900	17	4.0	26	1.7	--	27	22
A01...	1015	--	--	--	--	--	--	--	--	--	--	--
01193210 - RAYMOND BROOK NEAR AMSTON, CONN. (LAT 41 30 22 LONG 072 20 39)												
MAY , 1971												
14...	1440	--	3.3	220	0	6.0	2.0	5.8	1.3	--	18	13
A14...	1440	16	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1425	--	6.5	300	50	13	2.9	7.1	2.0	--	41	11
A08...	1425	1.7	--	--	--	--	--	--	--	--	--	--
01193250 - JUDD BROOK NEAR COLCHESTER, CONN. (LAT 41 35 55 LONG 072 21 12)												
MAY , 1971												
14...	1455	--	3.6	200	0	6.5	1.5	5.2	1.3	--	12	13
A14...	1455	36	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1500	--	8.5	1200	130	10	2.7	9.1	2.5	--	26	13
A08...	1500	1.6	--	--	--	--	--	--	--	--	--	--
01193500 - BLACKLEDGE RIVER NEAR GILEAD, CONN. (LAT 41 41 46 LONG 072 27 22)												
MAY , 1971												
14...	1515	--	4.7	290	0	5.0	1.3	4.6	.7	--	7	11
A14...	1515	52	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1450	--	6.0	600	80	5.9	1.6	5.5	1.2	--	17	8.8
A08...	1450	.40	--	--	--	--	--	--	--	--	--	--
01193511 - LYMAN BROOK NEAR NORTH WESTCHESTER CONN (LAT 41 36 50 LONG 072 26 05)												
AUG., 1971												
30...	1240	--	9.2	680	40	19	2.8	20	3.5	--	18	21
A30...	1240	--	--	--	--	--	--	--	--	--	--	--
01193600 - FAWN BROOK NEAR NORTH WESTCHESTER, CONN. (LAT 41 36 19 LONG 072 25 00)												
MAY , 1971												
14...	1230	--	5.6	230	0	6.0	1.4	3.8	1.3	--	10	11
A14...	1230	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1145	--	7.3	390	20	6.8	1.6	5.6	1.6	--	22	6.5
A08...	1145	--	--	--	--	--	--	--	--	--	--	--
01193690 - DICKINSON CREEK NEAR WESTCHESTER, CONN. (LAT 41 33 43 LONG 072 27 09)												
MAY , 1971												
14...	1145	--	6.1	130	0	3.0	1.1	4.0	1.2	--	5	12
A14...	1145	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1115	--	7.6	60	0	8.6	1.9	9.8	1.7	--	11	21
A08...	1115	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

CONNECTICUT RIVER BASIN--Continued

01193130 - CANDLEWOOD HILL BROOK NEAR HIGGANUM, CONN. (LAT 41 28 26 LONG 072 35 49)

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
MAY , 1971												
14...	6.5	--	--	.5	.02	38	37	15	9	7	--	3
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	5.9	.1	--	1.0	.03	--	44	19	9	10	--	19
A08...	--	--	--	--	--	--	--	--	--	--	--	--

01193135 - TRIBUTARY TO BIBLE ROCK BROOK NEAR HIGGANUM CONN (LAT 41 30 45 LONG 072 35 33)

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
SEP., 1971												
01...	69	.1	--	.9	--	--	146	59	37	22	--	2
A01...	--	--	--	--	--	--	--	--	--	--	--	--

01193210 - RAYMOND BROOK NEAR AMSTON, CONN. (LAT 41 38 22 LONG 072 20 35)

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
MAY , 1971												
14...	11	--	--	.8	.05	66	53	20	13	15	--	16
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	11	.1	--	.9	.03	--	75	44	11	36	--	6
A08...	--	--	--	--	--	--	--	--	--	--	--	--

01193250 - JUDD BROOK NEAR COLCHESTER, CONN. (LAT 41 35 59 LONG 072 21 12)

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
MAY , 1971												
14...	9.6	--	--	.2	.05	59	47	22	13	10	--	50
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	16	.1	--	.9	.06	--	76	36	15	21	--	30
A08...	--	--	--	--	--	--	--	--	--	--	--	--

01193300 - BLACKLEDGE RIVER NEAR GILEAD, CONN. (LAT 41 41 46 LONG 072 27 22)

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
MAY , 1971												
14...	8.0	--	--	.5	.04	50	39	18	12	6	--	20
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	8.2	.1	--	.4	.03	--	43	21	7	14	--	17
A08...	--	--	--	--	--	--	--	--	--	--	--	--

01193351 - LYMAN BROOK NEAR NORTH WESTCHESTER CONN (LAT 41 36 50 LONG 072 26 05)

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
AUG., 1971												
30...	46	.1	--	--	.40	--	133	--	--	15	--	17
A30...	--	--	--	--	--	--	--	--	--	--	--	--

01193400 - FAWN BROOK NEAR NORTH WESTCHESTER, CONN. (LAT 41 36 19 LONG 072 25 08)

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
MAY , 1971												
14...	7.5	--	--	.6	.02	40	42	21	12	8	--	17
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	7.0	.0	--	.6	.03	--	48	24	6	18	--	17
A08...	--	--	--	--	--	--	--	--	--	--	--	--

01193490 - DICKINSON CREEK NEAR WESTCHESTER, CONN. (LAT 41 33 43 LONG 072 27 09)

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
MAY , 1971												
14...	8.0	--	--	.7	.04	48	39	12	8	4	--	17
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	13	.1	--	.6	.00	--	69	29	20	9	--	6
A08...	--	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
CONNECTICUT RIVER BASIN--Continued												
01193130 - CANDLEWOOD HILL BROOK NEAR HIGGANUM, CONN. (LAT 41 28 26 LONG 072 35 49)												
MAY , 1971												
14...	56	6.2	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	16.0	--	--	--	--	--	--	--
SEP.												
08...	68	6.5	2	3	--	--	--	--	--	--	--	--
A08...	--	--	--	--	21.0	--	--	--	--	--	--	--
01193135 - TRIBUTARY TO BIBLE ROCK BROOK NEAR HIGGANUM CONN (LAT 41 30 45 LONG 072 35 33)												
SEP., 1971												
01...	265	7.0	--	--	--	--	--	--	--	--	--	--
A01...	252	--	--	--	--	--	--	--	--	--	--	--
01193210 - RAYMOND BROOK NEAR AMSTON, CONN. (LAT 41 30 22 LONG 072 20 35)												
MAY , 1971												
14...	98	7.3	2	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	18.5	--	--	--	--	--	--	--
SEP.												
08...	132	7.3	1	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	22.5	--	--	--	--	--	--	--
01193250 - JUDD BROOK NEAR COLCHESTER, CONN. (LAT 41 35 55 LONG 072 21 12)												
MAY , 1971												
14...	76	6.6	2	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	16.0	--	--	--	--	--	--	--
SEP.												
08...	121	6.6	2	3	--	--	--	--	--	--	--	--
A08...	--	--	--	--	23.0	--	--	--	--	--	--	--
01193300 - BLACKLEDGE RIVER NEAR GILEAD, CONN. (LAT 41 41 46 LONG 072 27 22)												
MAY , 1971												
14...	65	6.5	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	16.0	--	--	--	--	--	--	--
SEP.												
08...	74	6.6	2	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	23.0	--	--	--	--	--	--	--
01193351 - LYMAN BROOK NEAR NORTH WESTCHESTER CONN (LAT 41 36 50 LONG 072 26 05)												
AUG., 1971												
30...	246	6.9	2	2	--	--	--	--	--	--	--	--
A30...	244	--	--	--	--	--	--	--	--	--	--	--
01193400 - FAWN BROOK NEAR NORTH WESTCHESTER, CONN. (LAT 41 36 19 LONG 072 25 08)												
MAY , 1971												
14...	68	6.7	0	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	15.0	--	--	--	--	--	--	--
SEP.												
08...	79	6.9	1	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	20.0	--	--	--	--	--	--	--
01193490 - DICKINSON CREEK NEAR WESTCHESTER, CONN. (LAT 41 33 43 LONG 072 27 09)												
MAY , 1971												
14...	69	6.4	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	13.5	--	--	--	--	--	--	--
SEP.												
08...	118	6.6	0	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	20.5	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
CONNECTICUT RIVER BASIN--Continued												
01193600 - FLAT BROOK NEAR EAST HAMPTON, CONN. (LAT 41 33 18 LONG 072 27 10)												
MAY , 1971												
14...	1100	--	8.4	70	0	4.0	1.2	5.0	.9	--	4	11
A14...	1100	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1045	--	12	90	30	5.0	1.2	9.0	1.2	--	11	9.4
A08...	1045	.40	--	--	--	--	--	--	--	--	--	--
01193645 - PINE BROOK NEAR MIDDLE HADDAM, CONN. (LAT 41 32 00 LONG 072 31 25)												
MAY , 1971												
14...	1030	--	6.0	180	0	5.0	1.0	4.2	.6	--	5	12
A14...	1030	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1235	--	12	290	50	6.8	1.2	6.7	.9	--	14	11
A08...	1235	--	--	--	--	--	--	--	--	--	--	--
01193790 - WATERHOUSE POND NEAR CHESTER CONN (LAT 41 25 08 LONG 072 27 40)												
JUNE, 1971												
15...	1100	--	3.3	340	210	5.0	1.2	3.2	.7	--	4	12
A15...	1100	--	--	--	--	--	--	--	--	--	--	--
01193795 - ROARING BROOK AT HADLYME, CONN. (LAT 41 25 23 LONG 072 24 08)												
MAY , 1971												
14...	0850	--	5.8	130	0	3.0	.9	3.9	.8	--	6	8.5
A14...	0850	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0925	--	8.1	130	20	5.0	1.1	6.2	1.1	--	15	6.5
A08...	0925	--	--	--	--	--	--	--	--	--	--	--
01193800 - HEMLOCK VALLEY BROOK AT HADLYME, CONN. (LAT 41 25 42 LONG 072 25 23)												
MAY , 1971												
14...	0930	--	6.9	180	0	5.0	1.2	5.2	1.3	--	9	3.5
A14...	0930	9.0	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0945	--	12	80	10	8.0	1.5	6.8	2.2	--	22	10
A08...	0945	.53	--	--	--	--	--	--	--	--	--	--
01193875 - DEEP RIVER NEAR DEEP RIVER CONN (LAT 41 22 17 LONG 072 27 41)												
JULY, 1971												
02...	1530	--	--	520	90	--	--	--	--	--	--	--
01193880 - EIGHTMILE RIVER NEAR MILLINGTON, CONN. (LAT 41 30 28 LONG 072 22 14)												
MAY , 1971												
14...	1415	--	2.6	340	0	2.5	.6	2.2	.4	--	3	10
A14...	1415	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1320	--	8.8	1200	30	2.9	.9	3.7	.7	--	8	12
A08...	1320	--	--	--	--	--	--	--	--	--	--	--
01194500 - EAST BRANCH EIGHTMILE RIVER NEAR NORTH LYME CONN (LAT 41 25 40 LONG 072 20 05)												
MAY , 1971												
14...	0745	--	5.0	180	0	5.0	1.4	4.3	.9	--	8	12
A14...	0745	78	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	0900	--	6.7	190	30	7.9	2.1	5.8	1.6	--	16	16
A08...	0900	1.6	--	--	--	--	--	--	--	--	--	--
01194730 - WRIGHTS POND AT PCAC MEADOW CONN (LAT 41 19 50 LONG 072 28 10)												
AUG., 1971												
30...	0950	--	.4	450	30	4.0	1.5	5.7	1.1	--	8	14
A30...	0950	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

CONNECTICUT RIVER BASIN--Continued

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO_2) (MG/L)	NITRATE (NO_3) (MG/L)	TOTAL PHOSPHORUS (PO_4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS $CACO_3$ (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
01193600 - FLAT BROOK NEAR EAST HAMPTON, CONN. (LAT 41 33 18 LONG 072 27 10)												
MAY , 1971												
14...	8.8	--	--	.1	.04	50	41	15	12	3	--	5
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	13	.1	--	.0	.00	--	56	17	8	9	--	7
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01193645 - PINE BROOK NEAR MIDDLE HADDAM, CONN. (LAT 41 32 00 LONG 072 31 25)												
MAY , 1971												
14...	6.3	--	--	.1	.03	50	38	17	12	4	--	30
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	8.3	.1	--	.9	.03	--	55	22	10	11	--	25
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01193790 - WATERHOUSE POND NEAR CHESTER CONN (LAT 41 25 08 LONG 072 27 40)												
JUNE, 1971												
15...	5.2	.0	--	.0	.00	--	33	17	14	3	.02	8
A15...	--	--	--	--	--	--	--	--	--	--	--	--
01193795 - ROARING BROOK AT HADLYME, CONN. (LAT 41 25 23 LONG 072 24 08)												
MAY , 1971												
14...	6.4	--	--	.1	.18	38	33	12	6	5	--	6
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	8.8	.0	--	.4	.03	--	45	17	5	12	--	5
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01193800 - HEMLOCK VALLEY BROOK AT HADLYME, CONN. (LAT 41 25 42 LONG 072 25 23)												
MAY , 1971												
14...	9.4	--	--	.5	.03	51	37	17	10	7	--	21
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	10	.0	--	.4	.03	--	62	26	8	18	--	7
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01193875 - DEEP RIVER NEAR DEEP RIVER CONN (LAT 41 22 17 LONG 072 27 41)												
JULY, 1971												
02...	--	--	--	--	--	--	--	--	--	--	--	--
01193880 - EIGHTMILE RIVER NEAR MILLINGTON, CONN. (LAT 41 30 28 LONG 072 22 14)												
MAY , 1971												
14...	3.3	--	--	.0	.02	28	23	9	6	2	--	75
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	4.5	.1	--	--	.09	--	38	11	4	7	--	110
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01194500 - EAST BRANCH EIGHTMILE RIVER NEAR NORTH LYME CONN (LAT 41 25 40 LONG 072 20 05)												
MAY , 1971												
14...	7.6	--	--	.4	.11	47	41	18	12	7	--	20
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	8.3	.1	--	.0	.00	--	56	28	15	13	--	7
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01194730 - WRIGHTS POND AT POND MEADOW CONN (LAT 41 19 50 LONG 072 28 10)												
AUG., 1971												
30...	10	.0	--	.0	.03	--	41	16	10	7	--	4
A30...	--	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

CONNECTICUT RIVER BASIN--Continued

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
01193600 - FLAT BROOK NEAR EAST HAMPTON, CONN. (LAT 41 33 18 LONG 072 27 10)												
MAY , 1971												
14...	68	6.3	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	13.0	--	--	--	--	--	--	--
SEP.												
08...	86	6.7	0	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	18.0	--	--	--	--	--	--	--
01193645 - PINE BROOK NEAR MIDDLE HADDAM, CONN. (LAT 41 32 00 LONG 072 31 25)												
MAY , 1971												
14...	58	6.3	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	13.5	--	--	--	--	--	--	--
SEP.												
08...	77	6.7	1	3	--	--	--	--	--	--	--	--
A08...	--	--	--	--	21.0	--	--	--	--	--	--	--
01193790 - WATERHOUSE POND NEAR CHESTER CONN (LAT 41 25 08 LONG 072 27 40)												
JUNE, 1971												
15...	55	5.2	--	--	--	--	--	--	--	--	--	--
A15...	--	--	--	--	21.0	--	--	--	--	--	--	--
01193795 - ROARING BROOK AT HADLYME, CONN. (LAT 41 25 23 LONG 072 24 08)												
MAY , 1971												
14...	52	6.7	0	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	11.5	--	--	--	--	--	--	--
SEP.												
08...	72	6.8	1	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	18.0	--	--	--	--	--	--	--
01193800 - HEMLOCK VALLEY BROOK AT HADLYME, CONN. (LAT 41 25 42 LONG 072 25 23)												
MAY , 1971												
14...	72	6.9	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	11.0	--	--	--	--	--	--	--
SEP.												
08...	98	7.0	0	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	18.0	--	--	--	--	--	--	--
01193875 - DEEP RIVER NEAR DEEP RIVER CONN (LAT 41 22 17 LONG 072 27 41)												
JULY, 1971												
02...	--	--	--	--	--	--	--	--	--	--	--	--
01193880 - EIGHTMILE RIVER NEAR MILLINGTON, CONN. (LAT 41 30 28 LONG 072 22 14)												
MAY , 1971												
14...	39	5.2	0	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	17.0	--	--	--	--	--	--	--
SEP.												
08...	45	6.0	4	4	--	--	--	--	--	--	--	--
A08...	--	--	--	--	22.0	--	--	--	--	--	--	--
01194500 - EAST BRANCH EIGHTMILE RIVER NEAR NORTH LYME CONN (LAT 41 25 40 LONG 072 20 05)												
MAY , 1971												
14...	68	6.9	2	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	12.5	--	--	--	--	--	--	--
SEP.												
08...	97	6.9	1	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	22.0	--	--	--	--	--	--	--
01194730 - WRIGHTS POND AT POND MEADOW CONN (LAT 41 19 50 LONG 072 20 10)												
AUG., 1971												
30...	80	6.7	1	1	--	--	--	--	--	--	--	--
A30...	--	--	--	--	26.0	--	9.3	114	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
CONNECTICUT RIVER BASIN--Continued												
01194742 - MILL POND AT CENTERBROOK CONN (LAT 41 21 18 LONG 072 25 06)												
AUG., 1971												
30...	1100	--	3.3	750	70	6.0	1.8	18	1.4	--	18	10
A30...	1100	--	--	--	--	--	--	--	--	--	--	--
PATCHOGUE RIVER BASIN												
01194930 - SPRING LOT BROOK NEAR WESTBROOK, CONN. (LAT 41 18 17 LONG 072 27 43)												
MAY , 1971												
14...	1430	--	2.1	720	0	4.0	1.6	4.2	.9	--	8	12
A14...	1430	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1435	--	12	2000	120	6.0	1.7	4.8	1.0	--	15	11
A08...	1435	--	--	--	--	--	--	--	--	--	--	--
MENUNKETESUCK RIVER BASIN												
01194970 - MENUNKETESUCK RIVER NEAR KILLINGWORTH CONN (LAT 41 21 46 LONG 072 32 37)												
MAY , 1971												
14...	1345	--	4.4	320	0	4.0	1.0	4.6	.4	--	8	10
A14...	1345	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1350	--	7.1	200	10	6.1	1.3	6.0	.9	--	16	11
A08...	1350	--	--	--	--	--	--	--	--	--	--	--
01194990 - KELSEYTOWN RESERVOIR NEAR KILLINGWORTH CONN (LAT 41 19 53 LONG 072 31 30)												
JUNE, 1971												
15...	1000	--	4.5	440	50	6.0	1.1	4.7	1.7	--	10	8.5
A15...	1000	--	--	--	--	--	--	--	--	--	--	--
INDIAN RIVER BASIN												
01195100 - INDIAN RIVER NEAR CLINTON CONN (LAT 41 18 21 LONG 072 31 54)												
MAY , 1971												
14...	1400	--	7.8	270	0	5.0	1.2	5.3	.6	--	10	12
A14...	1400	6.4	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1320	--	10	430	50	6.2	1.8	8.8	1.2	--	16	13
A08...	1320	.10	--	--	--	--	--	--	--	--	--	--
HAMMONASSETT RIVER BASIN												
01195115 - HAMMONASSETT RIVER NEAR NORTH MADISON CONN (LAT 41 23 16 LONG 072 36 56)												
MAY , 1971												
14...	1600	--	3.1	280	0	3.5	1.1	3.6	.6	--	7	11
A14...	1600	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1215	--	8.9	610	50	3.9	1.2	6.2	1.0	--	10	9.1
A08...	1215	--	--	--	--	--	--	--	--	--	--	--
01195120 - HAMMONASSETT RESERVOIR NEAR NORTH MADISON CONN (LAT 41 21 27 LONG 072 36 46)												
JUNE, 1971												
09...	1230	--	1.7	160	60	5.0	1.2	4.9	1.6	--	4	11
A09...	1230	--	--	--	--	--	--	--	--	--	--	--
EAST RIVER BASIN												
01195160 - EAST RIVER NEAR GUILFORD CONN (LAT 41 18 45 LONG 072 40 30)												
MAY , 1971												
14...	1315	--	4.0	360	20	5.0	1.6	4.4	.7	--	8	12
A14...	1315	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	1115	--	8.0	570	90	5.5	2.4	5.3	1.2	--	18	11
A08...	1115	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	COLOR (PLATINUM-COBALT UNITS)
CONNECTICUT RIVER BASIN--Continued												
01194742 - MILL POND AT CENTERBROOK CONN (LAT 41 21 18 LONG 072 25 06)												
AUG., 1971												
30...	26	.0	--	.0	.06	--	76	22	8	15	--	7
A30...	--	--	--	--	--	--	--	--	--	--	--	--
PATCHOGUE RIVER BASIN--Continued												
01194930 - SPRING LOT BROOK NEAR WESTBROOK, CONN. (LAT 41 18 17 LONG 072 27 43)												
MAY , 1971												
14...	7.2	--	--	.0	.04	47	36	16	9	7	--	60
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	8.5	.0	--	2.2	.25	--	55	22	10	12	--	80
A08...	--	--	--	--	--	--	--	--	--	--	--	--
MENUNKETESUCK RIVER BASIN--Continued												
01194970 - MENUNKETESUCK RIVER NEAR KILLINGWORTH CONN (LAT 41 21 46 LONG 072 32 37)												
MAY , 1971												
14...	7.2	--	--	.1	.02	43	36	14	8	7	--	20
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	7.5	.0	--	.0	.03	--	48	21	7	13	--	9
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01194990 - KELSEYTOWN RESERVOIR NEAR KILLINGWORTH CONN (LAT 41 19 53 LONG 072 31 30)												
JUNE, 1971												
15...	6.2	.0	--	.0	.06	--	38	20	11	8	--	14
A15...	--	--	--	--	--	--	--	--	--	--	--	--
INDIAN RIVER BASIN--Continued												
01195100 - INDIAN RIVER NEAR CLINTON CONN (LAT 41 18 21 LONG 072 31 54)												
MAY , 1971												
14...	8.7	--	--	.2	.02	50	46	17	9	8	--	26
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	12	.1	--	.9	.03	--	62	23	10	13	--	10
A08...	--	--	--	--	--	--	--	--	--	--	--	--
HAMMONASSETT RIVER BASIN--Continued												
01195115 - HAMMONASSETT RIVER NEAR NORTH MADISON CONN (LAT 41 23 16 LONG 072 36 56)												
MAY , 1971												
14...	5.1	--	--	.3	.04	20	32	13	6	6	--	35
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	7.5	.1	--	.0	.03	--	42	15	6	8	--	80
A08...	--	--	--	--	--	--	--	--	--	--	--	--
01195120 - HAMMONASSETT RESERVOIR NEAR NORTH MADISON CONN (LAT 41 21 27 LONG 072 36 46)												
JUNE, 1971												
09...	5.4	.0	--	.0	.00	--	33	17	14	3	.04	21
A09...	--	--	--	--	--	--	--	--	--	--	--	--
EAST RIVER BASIN--Continued												
01195160 - EAST RIVER NEAR GUILFORD CONN (LAT 41 18 45 LONG 072 40 30)												
MAY , 1971												
14...	6.7	--	--	.3	.04	46	39	19	12	7	--	28
A14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
08...	7.3	.1	--	.9	.06	--	51	24	9	15	--	45
A08...	--	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

CONNECTICUT RIVER BASIN--Continued

01194742 - MILL POND AT CENTERBROOK CONN (LAT 41 21 18 LONG 072 25 06)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
AUG., 1971												
30...	141	6.8	1	1	--	--	--	--	--	--	--	--
A30...	--	--	--	--	25.0	--	6.7	80	--	--	--	--

PATCHOGUE RIVER BASIN--Continued

01194930 - SPRING LOT BROOK NEAR WESTBROOK, CONN. (LAT 41 18 17 LONG 072 27 43)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY , 1971												
14...	66	6.6	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	19.0	--	--	--	--	--	--	--
SEP.												
08...	68	6.2	6	5	--	--	--	--	--	--	--	--
A08...	--	--	--	--	23.0	--	--	--	--	--	--	--

MENUNKETESUCK RIVER BASIN--Continued

01194970 - MENUNKETESUCK RIVER NEAR KILLINGWORTH CONN (LAT 41 21 46 LONG 072 32 37)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY , 1971												
14...	59	6.7	0	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	17.5	--	--	--	--	--	--	--
SEP.												
08...	78	7.0	1	4	--	--	--	--	--	--	--	--
A08...	--	--	--	--	26.5	--	--	--	--	--	--	--

01194990 - KELSEYTOWN RESERVOIR NEAR KILLINGWORTH CONN (LAT 41 19 53 LONG 072 31 30)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JUNE, 1971												
15...	59	6.8	--	--	--	--	--	--	--	--	--	--
A15...	--	--	--	--	20.5	--	--	--	--	--	--	--

INDIAN RIVER BASIN--Continued

01195100 - INDIAN RIVER NEAR CLINTON CONN (LAT 41 18 21 LONG 072 31 54)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY , 1971												
14...	66	6.7	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	16.0	--	--	--	--	--	--	--
SEP.												
08...	100	6.8	1	3	--	--	--	--	--	--	--	--
A08...	--	--	--	--	22.5	--	--	--	--	--	--	--

HAMMONASSETT RIVER BASIN--Continued

01195115 - HAMMONASSETT RIVER NEAR NORTH MADISON CONN (LAT 41 23 16 LONG 072 36 56)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY , 1971												
14...	52	6.0	1	--	--	--	--	--	--	--	--	--
A14...	--	--	--	--	19.0	--	--	--	--	--	--	--
SEP.												
08...	58	6.4	1	2	--	--	--	--	--	--	--	--
A08...	--	--	--	--	21.5	--	--	--	--	--	--	--

01195120 - HAMMONASSETT RESERVOIR NEAR NORTH MADISON CONN (LAT 41 21 27 LONG 072 36 46)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JUNE, 1971												
09...	52	6.2	--	--	--	--	--	--	--	--	--	--
A09...	--	--	--	--	21.0	--	--	--	--	--	--	--

EAST RIVER BASIN--Continued

01195160 - EAST RIVER NEAR GUILFORD CONN (LAT 41 18 45 LONG 072 40 30)

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY , 1971												
14...	65	6.5	1	--	--	--	--	--	--	--	--	--
A14...	66	--	--	--	18.0	--	--	--	--	--	--	--
SEP.												
08...	79	6.7	2	4	--	--	--	--	--	--	--	--
A08...	--	--	--	--	23.0	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	DIS-CHARGE (CFS)	SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)
WEST RIVER BASIN												
01195200 - MENUNKATUCK RESERVOIR AT NORTH GUILFORD CONN (LAT 41 22 40 LONG 072 42 50)												
JUNE, 1971												
09...	1330	--	7.0	30	30	10	3.3	3.5	.3	--	30	14
A09...	1330	--	--	--	--	--	--	--	--	--	--	--
QUINNIPIAC RIVER BASIN												
01195468 - QUINNIPIAC RIVER NEAR SOUTHINGTON CONN (LAT 41 38 35 LONG 072 52 42)												
OCT., 1970												
16...	1000	--	11	30	0	32	5.1	12	2.1	.09	80	29
A16...	1000	--	--	--	--	--	--	--	--	--	--	--
NOV.												
12...	1400	--	15	240	200	37	6.4	22	2.8	.60	104	37
DEC.												
14...	0845	--	13	240	230	36	6.1	17	1.5	.07	86	36
01196523 - QUINNIPIAC RIVER NEAR NORTH HAVEN CONN (LAT 41 24 46 LONG 072 51 10)												
OCT., 1970												
15...	1050	--	12	0	260	37	6.4	33	3.2	.50	106	28
A15...	1050	--	--	--	--	--	--	--	--	--	--	--
NOV.												
12...	1015	--	12	410	280	36	6.4	25	3.1	.46	86	40
A12...	1015	--	--	--	--	--	--	--	--	--	--	--
DEC.												
14...	1200	--	12	410	270	34	5.8	22	2.8	.34	51	33

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	NITRITE (NO2) (MG/L)	NITRATE (NO3) (MG/L)	TOTAL PHOS-PHORUS (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)
WEST RIVER BASIN--Continued												
01195200 - MENUNKATUCK RESERVOIR AT NORTH GUILFORD CONN (LAT 41 22 40 LONG 072 42 50)												
JUNE, 1971												
09...	3.8	.0	--	.0	.06	--	57	39	14	25	.02	6
A09...	--	--	--	--	--	--	--	--	--	--	--	--
QUINNIPIAC RIVER BASIN--Continued												
01195460 - QUINNIPIAC RIVER NEAR SOUTHINGTON CONN (LAT 41 38 35 LONG 072 52 42)												
OCT., 1970												
16...	21	.1	.03	6.2	1.1	164	155	101	36	66	--	5
A16...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
12...	26	.4	.01	12	--	210	210	119	34	85	--	4
DEC.												
14...	29	--	.01	6.0	--	193	186	115	44	71	--	0
01196523 - QUINNIPIAC RIVER NEAR NORTH HAVEN CONN (LAT 41 24 46 LONG 072 51 10)												
OCT., 1970												
15...	46	1.0	.02	3.1	--	249	222	119	32	87	--	6
A15...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
12...	26	.7	.10	27	--	221	219	116	46	71	--	8
A12...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
14...	31	--	.02	45	--	237	210	109	67	42	--	3

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	TURBIDITY (MG/L)	TEMPERATURE (DEG C)	AIR TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
WEST RIVER BASIN--Continued												
01195200 - MENUNKATUCK RESERVOIR AT NORTH GUILFORD CONN (LAT 41 22 40 LONG 072 42 50)												
JUNE, 1971												
09...	95	7.1	--	--	--	--	--	--	--	--	--	--
A09...	--	--	--	--	23.0	--	--	--	--	--	--	--
QUINNIPIAC RIVER BASIN--Continued												
01195468 - QUINNIPIAC RIVER NEAR SOUTHINGTON CONN (LAT 41 30 35 LONG 072 52 42)												
OCT., 1970												
16...	291	7.3	--	--	--	--	--	--	--	--	--	--
A16...	--	--	--	--	15.0	--	--	--	--	--	--	--
NOV.												
12...	348	7.7	--	--	--	--	--	--	--	--	--	--
DEC.												
14...	329	8.1	--	--	--	--	--	--	--	--	--	--
01196523 - QUINNIPIAC RIVER NEAR NORTH HAVEN CONN (LAT 41 24 46 LONG 072 51 10)												
OCT., 1970												
15...	435	6.6	--	--	--	--	--	--	--	--	--	--
A15...	--	--	--	--	21.0	--	--	--	--	--	--	--
NOV.												
16...	360	7.1	--	--	--	--	--	--	--	--	--	--
A12...	--	--	--	--	13.0	--	--	--	--	--	--	--
DEC.												
14...	345	7.4	--	--	--	--	--	--	--	--	--	--

DATE	TIME	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
THAMES RIVER BASIN												
01122900 - SHETUCKET RIVER NEAR WILLIMANTIC, CONN. (LAT 41 42 01 LONG 072 10 57)												
OCT., 1970												
01...	1040	107	16.0	20.0	--	0	--	--	--	--	0	--
07...	1645	107	16.5	15.0	--	--	--	--	--	--	--	--
01125500 - QUINEBAUG RIVER AT PUTNAM CONN (LAT 41 54 34 LONG 071 54 48)												
OCT., 1970												
01...	0900	75	17.0	17.5	--	0	--	--	--	--	1	--
02...	1543	75	16.0	15.5	--	--	--	--	--	--	--	--
CONNECTICUT RIVER BASIN												
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE CONN (LAT 41 59 14 LONG 072 36 21)												
OCT., 1970												
05...	1900	9930	17.0	--	--	10	--	--	--	--	1	--
SEP., 1971												
16...	1005	6480	24.0	28.0	--	0	--	--	--	--	--	--
B JUL-DEC 1970	--	--	--	--	66	--	33	<1	<2	31	<20	3
B JAN-JUL 1971	--	--	--	--	110	--	26	<1	<1	19	<6	3
01186015 - STILL RIVER AT WINSTED, CT. (LAT 41 54 37 LONG 073 03 57)												
AUG., 1971												
24...	0945	--	19.0	--	17	--	37	<1	<3	26	<11	<3
01186095 - MAD RIVER NEAR WINSTED CONN (LAT 41 55 59 LONG 073 09 32)												
AUG., 1971												
24...	1230	--	22.0	--	18	--	22	<1	<2	7	<16	<1
01186130 - MAD RIVER AT WINSTED CONN (LAT 41 55 36 LONG 073 04 40)												
AUG., 1971												
24...	1130	--	20.0	--	15	--	25	<1	<2	25	<20	2
01186190 - MAD RIVER AT WINSTED CONN (LAT 41 55 19 LONG 073 04 06)												
AUG., 1971												
24...	1030	--	21.0	--	38	--	13	<1	<3	70	<25	3
01186235 - STILL RIVER AT WINSTED CONN (LAT 41 55 50 LONG 073 03 20)												
AUG., 1971												
24...	1305	--	19.0	--	24	--	32	<1	<3	31	<30	40
01186240 - STILL RIVER NEAR WINSTED CONN (LAT 41 56 32 LONG 073 03 10)												
OCT., 1970												
01...	1010	47	13.0	13.0	--	10	--	--	--	--	0	--
02...	1045	47	13.0	14.0	--	--	--	--	--	--	--	--
01186250 - STILL RIVER AT ROBERTSVILLE CONN (LAT 41 58 11 LONG 073 02 26)												
AUG., 1971												
24...	1430	--	23.0	--	17	--	17	<1	<3	100	<14	7
01186450 - SANDY BROOK AT ROBERTSVILLE CONN (LAT 41 58 20 LONG 073 02 10)												
AUG., 1971												
24...	1505	--	21.0	--	26	--	10	<1	<2	10	<6	<2

B COMPOSITE SAMPLE

DATE	HEXA-VALENT CHRO-MIUM (CR+6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
THAMES RIVER BASIN--Continued											
01122500 - SHETUCKET RIVER NEAR WILLIMANTIC, CONN. (LAT 41 42 01 LONG 072 10 57)											
OCT., 1970											
01...	0	0	--	--	--	--	3	--	--	--	<.5
02...	--	--	--	--	--	--	--	--	--	<.5	--
01125900 - QUINEBAUG RIVER AT PUTNAM CONN (LAT 41 54 36 LONG 071 54 40)											
OCT., 1970											
01...	0	2	--	--	--	--	3	--	--	--	<.5
02...	--	--	--	--	--	--	--	--	--	<.5	--
CONNECTICUT RIVER BASIN--Continued											
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE CONN (LAT 41 59 14 LONG 072 36 21)											
OCT., 1970											
09...	1	0	--	--	--	--	10	--	--	<.5	<.5
SEP., 1971											
16...	--	--	--	--	--	140	--	--	90	--	<.5
@ JUL-DEC 1970	--	<2	12	--	<2	220	5	1	90	--	--
@ JAN-JUL 1971	--	<1	5	<1	<1	280	7	<1	93	--	--
01186019 - STILL RIVER AT WINSTED, CT. (LAT 41 56 37 LONG 073 03 57)											
AUG., 1971											
24...	--	<1	4	<1	<3	300	<3	<10	710	--	--
01186075 - MAD RIVER NEAR WINSTED CONN (LAT 41 55 55 LONG 073 09 32)											
AUG., 1971											
24...	--	<1	2	<1	<2	130	1	<10	30	--	--
01186130 - MAD RIVER AT WINSTED CONN (LAT 41 55 36 LONG 073 04 40)											
AUG., 1971											
24...	--	<2	5	<1	<2	220	2	<10	30	--	--
01186190 - MAD RIVER AT WINSTED CONN (LAT 41 55 15 LONG 073 04 06)											
AUG., 1971											
24...	--	<2	8	<1	<3	190	2	<10	20	--	--
01186235 - STILL RIVER AT WINSTED CONN (LAT 41 55 50 LONG 073 03 20)											
AUG., 1971											
24...	--	<2	8	<1	<3	200	2	<10	80	--	--
01186240 - STILL RIVER NEAR WINSTED CONN (LAT 41 56 32 LONG 073 03 10)											
OCT., 1970											
01...	6	0	--	--	--	--	6	--	--	--	<.5
02...	--	--	--	--	--	--	--	--	--	<.5	--
01186250 - STILL RIVER AT ROBERTSVILLE CONN (LAT 41 58 11 LONG 073 02 26)											
AUG., 1971											
24...	--	<1	10	<1	<3	250	<3	<10	150	--	--
01186450 - SANDY BROOK AT ROBERTSVILLE CONN (LAT 41 58 20 LONG 073 02 10)											
AUG., 1971											
24...	--	<1	2	<1	<2	110	<2	<10	0	--	--

@ COMPOSITE SAMPLE

DATE	DIS-SOLVED MOLY-BDENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED RUBI-DIUM (RB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
THAMES RIVER BASIN--Continued											
01122500 - SHETUCKET RIVER NEAR WILLIMANTIC, CONN. (LAT 41 42 01 LONG 072 10 57)											
OCT., 1970											
01...	--	--	--	--	--	--	--	--	--	0	--
02...	--	--	--	--	--	--	--	--	--	--	--
01125500 - QUINEBAUG RIVER AT PUTNAM CONN (LAT 41 54 36 LONG 071 54 48)											
OCT., 1970											
01...	--	--	--	--	--	--	--	--	--	0	--
02...	--	--	--	--	--	--	--	--	--	--	--
CONNECTICUT RIVER BASIN--Continued											
01184000 - CONNECTICUT RIVER AT THOMPSONVILLE CONN (LAT 41 59 16 LONG 072 36 21)											
OCT., 1970											
09...	--	--	--	--	--	--	--	--	--	10	--
SEP., 1971											
16...	--	--	--	--	--	--	--	--	--	--	--
@ JUL-DEC 1970	<1	5	4	--	<1	100	<2	1	5.0	<65	--
@ JAN-JUL 1971	<1	8	2	--	<1	51	<13	5	3.0	<60	<5
01186015 - STILL RIVER AT WINSTED, CT. (LAT 41 56 37 LONG 073 03 57)											
AUG., 1971											
24...	<1	25	--	--	<1	70	<3	2	<1.0	<110	<5
01186095 - MAD RIVER NEAR WINSTED CONN (LAT 41 55 51 LONG 073 05 32)											
AUG., 1971											
24...	<1	6	--	--	<1	60	<2	<1	<.2	<100	<5
01186130 - MAD RIVER AT WINSTED CONN (LAT 41 55 36 LONG 073 04 40)											
AUG., 1971											
24...	<1	20	--	--	<1	60	<2	<2	<1.0	<110	<5
01186190 - MAD RIVER AT WINSTED CONN (LAT 41 55 15 LONG 073 04 06)											
AUG., 1971											
24...	<1	25	--	--	<1	60	<3	<2	<2.0	<100	<5
01186235 - STILL RIVER AT WINSTED CONN (LAT 41 55 58 LONG 073 03 20)											
AUG., 1971											
24...	<1	60	--	--	<1	80	<3	<2	<2.0	<700	<5
01186240 - STILL RIVER NEAR WINSTED CONN (LAT 41 56 32 LONG 073 03 10)											
OCT., 1970											
01...	--	--	--	--	--	--	--	--	--	0	--
02...	--	--	--	--	--	--	--	--	--	--	--
01186250 - STILL RIVER AT ROBERTSVILLE CONN (LAT 41 58 11 LONG 073 02 26)											
AUG., 1971											
24...	<2	50	--	--	<1	70	<3	<1	<2.0	<140	<5
01186450 - SANDY BROOK AT ROBERTSVILLE CONN (LAT 41 58 20 LONG 073 02 10)											
AUG., 1971											
24...	<1	7	--	--	<1	60	<2	<1	<.4	<60	<5

@ COMPOSITE SAMPLE

DATE	TIME	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
CONNECTICUT RIVER BASIN--Continued												
01186000 - STILL RIVER AT RIVERTON CONN (LAT 41 57 34 LONG 073 01 12)												
AUG., 1971 24...	1545	--	25.0	--	100	--	17	<1	<2	45	<16	116
01187000 - WEST BRANCH FARMINGTON RIVER AT RIVERTON CONN (LAT 41 57 13 LONG 073 00 51)												
AUG., 1971 24...	1629	--	18.0	--	29	--	12	<1	<1	11	<10	<1
01187500 - BARKHAMSTED RES. NR. BARKHAMSTED, CONN. (LAT 41 54 30 LONG 072 57 15)												
OCT., 1970 08...	1600	--	17.0	24.0	--	0	--	--	--	--	0	--
01187800 - NEPAUG RES. AT COLLINSVILLE, CONN. (LAT 41 47 54 LONG 072 55 56)												
OCT., 1970 08...	1930	--	18.0	24.5	--	0	--	--	--	--	0	3
01188090 - FARMINGTON RIVER AT UNIONVILLE CONN (LAT 41 45 21 LONG 072 53 14)												
AUG., 1971 23...	1729	--	25.0	--	30	--	14	<1	<2	15	<6	<2
01188145 - PEQUABUCK RIVER NEAR TERRYVILLE CONN (LAT 41 41 50 LONG 073 01 20)												
AUG., 1971 23...	0720	--	20.0	--	71	--	7	<1	<1	13	<6	1
01188440 - PEQUABUCK RIVER AT TERRYVILLE CONN (LAT 41 40 43 LONG 073 00 05)												
AUG., 1971 23...	0850	--	19.0	--	17	--	30	<1	<3	41	<10	<3
01188456 - PEQUABUCK RIVER AT BRISTOL CONN (LAT 41 40 09 LONG 072 55 30)												
AUG., 1971 23...	1050	--	21.0	--	110	--	31	<1	<5	45	<27	8
01188457 - PEQUABUCK RIVER AT FORESTVILLE CONN (LAT 41 40 15 LONG 072 55 04)												
AUG., 1971 23...	1235	--	25.0	--	470	--	34	<1	<5	120	<20	700
01189000 - PEQUABUCK RIVER AT FORESTVILLE, CONN. (LAT 41 40 23 LONG 072 54 04)												
OCT., 1970 01...	1920	17	18.0	19.5	--	10	--	--	--	--	6	--
02...	0934	17	14.0	13.0	--	--	--	--	--	--	--	--
JAN., 1971 29...	1145	23	2.5	--	--	0	--	--	--	--	8	--
FEB. 10...	1515	42	.0	--	--	0	--	--	--	--	8	--
MAR. 10...	0900	75	.5	--	--	0	--	--	--	--	7	--
APR. 14...	0545	200	9.0	--	--	0	--	--	--	--	1	--
MAY 12...	0930	95	15.0	24.0	--	0	--	--	--	--	4	--
JUNE 09...	1000	50	21.0	--	--	0	--	--	--	--	4	--
JULY 14...	0930	28	21.5	--	--	--	--	--	--	--	3	--
AUG 10...	1100	19	24.0	--	--	--	--	--	--	--	3	--
23...	1330	18	27.0	--	84	--	29	<1	<4	100	<10	670
SEP. 15...	0945	171	21.5	--	--	--	--	--	--	--	2	--

MINOR ELEMENT ANALYSES, MICROGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED GALLIUM (GA) (UG/L)	DIS- SOLVED GER- MANIUM (GE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED LITHIUM (LI) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)
CONNECTICUT RIVER BASIN--Continued											
01186800 - STILL RIVER AT RIVERTON CONN (LAT 41 57 34 LONG 073 01 12)											
AUG., 1971											
24...	--	<2	9	<1	<2	170	1	<10	20	--	--
01187000 - WEST BRANCH FARMINGTON RIVER AT RIVERTON CONN (LAT 41 57 13 LONG 073 00 51)											
AUG., 1971											
24...	--	<1	2	<1	<1	100	<1	<10	20	--	--
01187500 - BARKHAMSTED RES. NR. BARKHAMSTED, CONN. (LAT 41 54 38 LONG 072 57 15)											
OCT., 1970											
08...	3	0	--	--	--	--	7	--	--	<.5	<.5
01187870 - NEPAUG RES. AT COLLINSVILLE, CONN. (LAT 41 47 54 LONG 072 55 54)											
OCT., 1970											
08...	--	1	--	--	--	--	2	--	--	<.5	<.5
01188090 - FARMINGTON RIVER AT UNIONVILLE CONN (LAT 41 45 21 LONG 073 53 14)											
AUG., 1971											
23...	--	<1	6	<1	<2	170	<2	<10	0	--	--
01188145 - PEQUABUCK RIVER NEAR TERRYVILLE CONN (LAT 41 41 50 LONG 073 01 20)											
AUG., 1971											
23...	--	<1	3	<1	<1	290	3	<10	70	--	--
01188440 - PEQUABUCK RIVER AT TERRYVILLE CONN (LAT 41 40 43 LONG 073 00 05)											
AUG., 1971											
23...	--	<1	12	<1	<3	360	<3	<10	70	--	--
01188456 - PEQUABUCK RIVER AT BRISTOL CONN (LAT 41 40 09 LONG 072 55 38)											
AUG., 1971											
23...	--	<1	11	<1	<5	110	<5	<10	100	--	--
01188497 - PEQUABUCK RIVER AT FORESTVILLE CONN (LAT 41 40 15 LONG 072 55 04)											
AUG., 1971											
23...	--	10	480	<1	<5	510	14	<10	170	--	--
01189000 - PEQUABUCK RIVER AT FORESTVILLE, CONN. (LAT 41 40 23 LONG 072 54 04)											
OCT., 1970											
01...	0	0	--	--	--	--	8	--	--	--	<.5
02...	--	--	--	--	--	--	--	--	--	<.5	--
JAN., 1971											
29...	--	--	240	--	--	50	9	--	220	--	--
FEB.											
10...	--	--	1100	--	--	120	7	--	180	--	--
MAR.											
10...	--	--	120	--	--	130	3	--	130	--	--
APR.											
14...	--	--	80	--	--	120	5	--	80	--	<.5
MAY											
12...	--	--	0	--	--	--	0	--	80	--	--
JUNE											
09...	--	--	70	--	--	140	3	--	320	--	--
JULY											
14...	--	--	80	--	--	590	8	--	460	--	--
AUG											
18...	--	--	140	--	--	80	1	--	120	--	--
23...	--	6	110	<1	<1	110	4	<10	130	--	--
SEP.											
15...	--	--	120	--	--	220	3	--	80	--	--

DATE	DIS-SOLVED MOLY-BDENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED RUBI-DIUM (RB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
CONNECTICUT RIVER BASIN--Continued											
01186800 - STILL RIVER AT RIVERTON CONN (LAT 41 57 34 LONG 073 01 12)											
AUG., 1971 24...	1	92	--	--	<1	40	<2	<2	<.8	<110	<3
01187000 - WEST BRANCH FARMINGTON RIVER AT RIVERTON CONN (LAT 41 57 13 LONG 073 00 51)											
AUG., 1971 24...	<1	6	--	--	<1	30	<1	<1	<.5	<70	<2
01187500 - BARKHAMSTED RES. NR. BARKHAMSTED, CONN. (LAT 41 54 38 LONG 072 57 15)											
OCT., 1970 08...	--	--	--	--	--	--	--	--	--	10	--
01187870 - NEPAUG RES. AT COLLINSVILLE, CONN. (LAT 41 47 54 LONG 072 55 54)											
OCT., 1970 08...	--	--	--	--	--	--	--	--	--	0	--
01189090 - FARMINGTON RIVER AT UNIONVILLE CONN (LAT 41 45 21 LONG 073 53 14)											
AUG., 1971 23...	<1	6	--	--	<1	30	<2	<1	<.5	<60	<3
01188145 - PEQUABUCK RIVER NEAR TERRYVILLE CONN (LAT 41 41 50 LONG 073 01 20)											
AUG., 1971 23...	<1	6	--	--	<1	20	<1	2	<.4	<40	<2
01188440 - PEQUABUCK RIVER AT TERRYVILLE CONN (LAT 41 40 43 LONG 073 00 05)											
AUG., 1971 23...	1	16	--	--	<1	110	3	<1	<1.0	<100	<5
01188456 - PEQUABUCK RIVER AT BRISTOL CONN (LAT 41 40 09 LONG 072 55 38)											
AUG., 1971 23...	<3	11	--	--	<1	120	<5	<1	3.0	<220	<10
01188497 - PEQUABUCK RIVER AT FORESTVILLE CONN (LAT 41 40 15 LONG 072 55 04)											
AUG., 1971 23...	2	60	--	--	<1	80	<5	26	3.0	450	<10
01189000 - PEQUABUCK RIVER AT FORESTVILLE, CONN. (LAT 41 40 23 LONG 072 54 04)											
OCT., 1970 01...	--	--	--	--	--	--	--	--	--	390	--
02...	--	--	--	--	--	--	--	--	--	--	--
JAN., 1971 29...	--	--	--	--	--	--	--	--	--	400	--
FEB. 10...	--	--	--	--	--	--	--	--	--	3000	--
MAR. 10...	--	--	--	--	--	--	--	--	--	200	--
APR. 14...	--	--	--	--	--	--	--	--	--	100	--
MAY 12...	--	--	--	--	--	--	--	--	--	0	--
JUNE 09...	--	--	--	--	--	--	--	--	--	410	--
JULY 14...	--	--	--	--	--	--	--	--	--	90	--
AUG 18...	--	--	--	--	--	--	--	--	--	150	--
23...	2	36	--	--	<1	80	<4	2	<2.0	<180	<9
SEP. 15...	--	--	--	--	--	--	--	--	--	100	--

DATE	TIME	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
CONNECTICUT RIVER BASIN--Continued												
01189010 - PEQUABUCK RIVER NEAR FORESTVILLE, CONN. (LAT 41 40 17 LONG 072 52 34)												
AUG., 1971												
23....	1445	--	26.0	--	43		49	<1	<5	130	<20	370
01189030 - PEQUABUCK RIVER AT FARMINGTON, CONN. (LAT 41 43 00 LONG 072 50 29)												
AUG., 1971												
23...	1545	--	22.0	--	22	--	31	<1	<4	130	<18	5
01189035 - FARMINGTON RIVER AT FARMINGTON CONN (LAT 41 43 43 LONG 072 49 44)												
AUG., 1971												
23...	1635	--	26.0	--	61	--	17	<1	<2	36	<8	2
01189120 - FARMINGTON RIVER AT AVON CONN (LAT 41 48 24 LONG 072 49 23)												
AUG., 1971												
23...	1810	--	25.0	--	34	--	13	<1	<2	48	<9	<2
01189955 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)												
JAN., 1971												
29...	1600	760	0.0	--	--	0	--	--	--	--	6	--
FEB.												
10...	1505	620	1.0	-5.5	--	0	--	--	--	--	4	--
MAR.												
10...	1420	1600	4.0	1.9	--	0	--	--	--	--	2	--
APR.												
14...	1330	2700	9.0	12.0	--	0	--	--	--	--	1	--
JUNE												
09...	1325	720	23.0	24.0	--	0	--	--	--	--	3	--
JULY												
14...	1340	510	23.0	25.0	--	--	--	--	--	--	3	--
AUG.												
18...	1350	180	26.0	--	--	--	--	--	--	--	1	--
23...	1910	233	23.5	--	25	--	21	<1	<2	54	<9	4
SEP.												
15...	1130	880	20.0	26.5	--	--	--	--	--	--	4	--
01192683 - MATTABESSET RIVER NEAR KENSINGTON CONN (LAT 41 37 10 LONG 072 47 37)												
AUG., 1971												
24...	0820	--	--	--	19	--	67	<1	<4	96	<35	<4
26...	0720	--	18.0	--	--	--	--	--	--	--	--	--
01192695 - WILLOW BROOK AT BERLIN CONN (LAT 41 28 24 LONG 072 44 47)												
AUG., 1971												
24...	1145	--	--	--	25	--	120	<1	<7	220	<65	<7
26...	1145	--	19.5	--	--	--	--	--	--	--	--	--
01192700 - MATTABESSET RIVER AT EAST BERLIN CONN (LAT 41 37 08 LONG 072 42 48)												
OCT., 1970												
01...	1350	19	16.0	21.5	--	0	--	--	--	--	3	--
02...	1210	19	15.0	16.5	--	--	--	--	--	--	--	--
AUG., 1971												
24...	1400	16	--	--	11	--	87	<1	<5	140	<50	<5
26...	1230	15	20.0	--	--	--	--	--	--	--	--	--
01192508 - MATTABESSET RIVER AT MIDDLETOWN CONN (LAT 41 34 23 LONG 072 39 10)												
AUG., 1971												
26...	1400	--	24.5	--	20	--	23	<1	<3	30	<25	4
01193050 - CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN. (LAT 41 32 30 LONG 072 33 13)												
OCT., 1970												
01...	1330	--	20.0	16.5	--	0	--	--	--	--	9	--
14...	0820	--	18.5	19.5	--	--	--	--	--	--	--	--
14...	1120	--	--	--	--	--	--	--	--	--	--	--

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
CONNECTICUT RIVER BASIN--Continued											
01189010 - PEQUABUCK RIVER NEAR FORESTVILLE, CONN. (LAT41 40 17 LONG 072 52 34)											
AUG., 1971											
23....	--	<1	<170	<1	<5	190	<5	<10	170	--	--
01189030 - PEQUABUCK RIVER AT FARMINGTON, CONN. (LAT 41 43 00 LONG 072 50 25)											
AUG., 1971											
23...	--	<1	19	<1	<4	240	<4	<10	200	--	--
01189035 - FARMINGTON RIVER AT FARMINGTON CONN (LAT 41 43 43 LONG 072 49 44)											
AUG., 1971											
23...	--	<1	7	<1	<2	160	2	<10	30	--	--
01189120 - FARMINGTON RIVER AT AVON CONN (LAT 41 48 24 LONG 072 49 23)											
AUG., 1971											
23...	--	<1	6	<1	<2	120	2	<10	130	--	--
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)											
JAN., 1971											
29...	--	--	20	--	--	240	4	--	50	--	--
FEB.											
10...	--	--	30	--	--	200	3	--	70	--	--
MAR.											
10...	--	--	0	--	--	140	5	--	0	--	--
APR.											
14...	--	--	70	--	--	110	3	--	40	--	<.5
JUNE											
09...	--	--	240	--	--	920	3	--	90	--	--
JULY											
14...	--	--	30	--	--	160	0	--	80	--	--
AUG.											
18...	--	--	10	--	--	150	1	--	0	--	--
23...	--	<1	6	<1	<2	170	<2	<10	50	--	--
SEP.											
15...	--	--	0	--	--	200	4	--	40	--	--
01192683 - MATTABESSET RIVER NEAR KENSINGTON CONN (LAT 41 37 10 LONG 072 47 37)											
AUG., 1971											
24...	--	<3	5	<1	<4	[illegible]	3	<10	150	--	--
26...	--	--	--	--	--	160	--	--	120	--	--
01192695 - WILLOW BROOK AT BERLIN CONN (LAT 41 28 24 LONG 072 44 47)											
AUG., 1971											
24...	--	<5	5	<2	<7	43	7	<10	590	--	--
26...	--	--	--	--	--	50	--	--	480	--	--
01192700 - MATTABESSET RIVER AT EAST BERLIN CONN (LAT 41 37 08 LONG 072 42 48)											
OCT., 1970											
01...	2	1	--	--	--	--	2	--	--	--	<.5
02...	--	--	--	--	--	--	--	--	--	<.5	--
AUG., 1971											
24...	--	<4	5	<1	<5	23	<4	<10	40	--	--
26...	--	--	--	--	--	30	--	--	40	--	--
01192908 - MATTABESSET RIVER AT MIDDLETOWN CONN (LAT 41 34 23 LONG 072 39 10)											
AUG., 1971											
26...	--	<2	9	<1	<3	60	<2	<10	10	--	--
01193050 - CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN. (LAT 41 32 30 LONG 072 33 13)											
OCT., 1970											
01...	0	0	--	--	--	--	4	--	--	--	<.5
14...	--	--	--	--	--	330	--	--	50	--	--
14...	--	--	--	--	--	--	--	--	--	<.5	--

MINOR ELEMENT ANALYSES, MICROGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

CONNECTICUT RIVER BASIN--Continued

DATE	DIS-SOLVED MOLY-BDENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED RUBI-DIUM (RB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
01189010 - PEQUABUCK RIVER NEAR FORESTVILLE, CONN. (LAT 41 40 17 LONG 072 52 34)											
AUG., 1971 23...	<2	270	--	--	3	80	<5	<1	<2.0	<200	<10
01189030 - PEQUABUCK RIVER AT FARMINGTON, CONN. (LAT 41 43 00 LONG 072 50 25)											
AUG., 1971 23...	2	96	--	--	<1	80	<4	<1	<2.0	<180	<9
01189035 - FARMINGTON RIVER AT FARMINGTON CONN (LAT 41 43 43 LONG 072 49 44)											
AUG., 1971 23...	1	14	--	--	<1	50	<2	1	<.7	<70	<4
01189120 - FARMINGTON RIVER AT AVON CONN (LAT 41 48 24 LONG 072 49 23)											
AUG., 1971 23...	<1	18	--	--	<1	40	<2	<1	<.9	<80	<4
01189995 - FARMINGTON RIVER AT TARIFFVILLE, CONN (LAT 41 54 30 LONG 072 45 40)											
JAN., 1971 29...	--	--	--	--	--	--	--	--	--	50	--
FEB. 10...	--	--	--	--	--	--	--	--	--	70	--
MAR. 10...	--	--	--	--	--	--	--	--	--	50	--
APR. 14...	--	--	--	--	--	--	--	--	--	0	--
JUNE 09...	--	--	--	--	--	--	--	--	--	30	--
JULY 14...	--	--	--	--	--	--	--	--	--	30	--
AUG. 18...	--	--	--	--	--	--	--	--	--	20	--
23...	1	19	--	--	<1	60	<2	<1	.9	<90	<5
SEP. 15...	--	--	--	--	--	--	--	--	--	30	--
01192683 - MATTABESSET RIVER NEAR KENSINGTON CONN (LAT 41 37 10 LONG 072 47 37)											
AUG., 1971 24...	1	3	--	--	<1	130	<4	<3	2.0	<240	<6
26...	--	--	--	--	--	--	--	--	--	--	--
01192695 - WILLOW BROOK AT BERLIN CONN (LAT 41 38 24 LONG 072 44 47)											
AUG., 1971 24...	2	5	--	--	<1	450	<7	<5	3.0	<420	<10
26...	--	--	--	--	--	--	--	--	--	--	--
01192700 - MATTABESSET RIVER AT EAST BERLIN CONN (LAT 41 37 08 LONG 072 42 48)											
OCT., 1970 01...	--	--	--	--	--	--	--	--	--	30	--
02...	--	--	--	--	--	--	--	--	--	--	--
AUG., 1971 24...	1	9	--	--	<1	360	<5	<4	3.0	<350	<8
26...	--	--	--	--	--	--	--	--	--	--	--
01192900 - MATTABESSET RIVER AT MIDDLETOWN CONN (LAT 41 34 23 LONG 072 39 10)											
AUG., 1971 26...	<1	11	--	--	<1	130	<3	<2	4.0	<150	<4
01193050 - CONNECTICUT RIVER NEAR MIDDLE HADDAM, CONN. (LAT 41 32 30 LONG 072 33 13)											
OCT., 1970 01...	--	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	0	--
14...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
BRANFORD RIVER BASIN												
01195320 - LAKE GAILLARD AT NORTH BRANFORD CONN (LAT 41 20 19 LONG 072 46 15)												
OCT.. 1970												
14...	--	--	--	--	--	0	--	--	--	--	1	--
EAST HAVEN RIVER BASIN												
01195420 - LAKE SALTONSTALL AT EAST HAVEN CONN (LAT 41 16 45 LONG 072 51 45)												
OCT.. 1970												
14...	--	--	--	--	--	0	--	--	--	--	1	--
QUINNIPIAC RIVER BASIN												
01195468 - QUINNIPIAC RIVER NEAR SOUTHINGTON CONN (LAT 41 30 35 LONG 072 52 42)												
OCT.. 1970												
16...	1000	--	15.0	--	--	--	--	--	--	--	--	--
NOV.												
12...	1400	--	--	--	--	--	--	--	--	--	--	--
DEC.												
14...	0845	--	--	--	--	--	--	--	--	--	--	--
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)												
OCT.. 1970												
01...	1415	65	18.0	18.0	--	0	--	--	--	--	2	--
02...	1212	65	18.0	18.5	--	--	--	--	--	--	--	--
01196523 - QUINNIPIAC RIVER NEAR NORTH HAVEN CONN (LAT 41 24 46 LONG 072 51 10)												
OCT.. 1970												
15...	1050	--	21.0	--	--	--	--	--	--	--	--	--
NOV.												
12...	1015	--	13.0	--	--	--	--	--	--	--	--	--
DEC.												
14...	1200	--	--	--	--	--	--	--	--	--	--	--
MILL RIVER BASIN												
01196625 - WHITNEY LAKE AT NEW HAVEN CONN (LAT 41 20 13 LONG 072 54 37)												
OCT.. 1970												
14...	--	--	--	--	--	0	--	--	--	--	1	--
WEST RIVER BASIN												
01196633 - LAKE WATROUS NR BETHANY CONN (LAT 41 23 06 LONG 072 58 23)												
OCT.. 1970												
14...	--	--	--	--	--	0	--	--	--	--	1	--
01196636 - CLEAR DAM RESERVOIR NEAR WOODBRIDGE CONN (LAT 41 22 39 LONG 072 58 47)												
OCT.. 1970												
14...	0920	--	--	--	--	0	--	--	--	--	1	--
01196650 - LAKE WINTERGREEN AT WOODBRIDGE CONN (LAT 41 21 10 LONG 072 58 04)												
OCT.. 1970												
14...	--	--	--	--	--	10	--	--	--	--	0	--
HOUSATONIC RIVER BASIN												
01201485 - STILL RIVER AT BROOKFIELD JUNCTION CONN (LAT 41 27 29 LONG 073 23 47)												
OCT.. 1970												
01...	1150	24	14.5	16.5	--	10	--	--	--	--	1	--
02...	0937	24	14.0	18.5	--	--	--	--	--	--	--	--
01202000 - SHEPAUG RESERVOIR AT WOODVILLE CONN (LAT 41 43 24 LONG 073 17 37)												
OCT.. 1970												
08...	1000	--	17.0	24.0	--	0	--	--	--	--	1	--

MINOR ELEMENT ANALYSES, MICROGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

BRANFORD RIVER BASIN--Continued

01195320 - LAKE GAILLARD AT NORTH BRANFORD CONN (LAT 41 20 15 LONG 072 46 15)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
14...	0	1	--	--	--	--	0	--	--	<.5	<.5

EAST HAVEN RIVER BASIN--Continued

01195420 - LAKE SALTONSTALL AT EAST HAVEN CONN (LAT 41 16 45 LONG 072 51 45)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
14...	0	2	--	--	--	--	0	--	--	.7	<.5

QUINNIPIAC RIVER BASIN--Continued

01195468 - QUINNIPIAC RIVER NEAR SOUTHINGTON CONN (LAT 41 38 35 LONG 072 52 42)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
16...	12	--	--	--	--	30	--	--	0	--	--
NOV.											
12...	51	--	--	--	--	240	--	--	280	--	--
DEC.											
14...	38	--	--	--	--	240	--	--	230	--	--

01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
01...	2	0	--	--	--	--	2	--	--	--	<.5
02...	--	--	--	--	--	--	--	--	--	<.5	--

01196523 - QUINNIPIAC RIVER NEAR NORTH HAVEN CONN (LAT 41 24 46 LONG 072 51 10)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
15...	10	--	--	--	--	0	--	--	260	--	--
NOV.											
12...	--	--	--	--	--	410	--	--	280	--	--
DEC.											
14...	--	--	--	--	--	410	--	--	270	--	--

MILL RIVER BASIN--Continued

01196625 - WHITNEY LAKE AT NEW HAVEN CONN (LAT 41 20 13 LONG 072 54 37)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
14...	0	1	--	--	--	--	0	--	--	<.5	<.5

WEST RIVER BASIN--Continued

01196633 - LAKE WATROUS NR BETHANY CONN (LAT 41 23 06 LONG 072 58 23)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
14...	1	2	--	--	--	--	2	--	--	<.5	<.5

01196636 - GLEN DAM RESERVOIR NEAR WOODBRIDGE CONN (LAT 41 22 39 LONG 072 58 47)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
14...	0	3	--	--	--	--	3	--	--	<.5	<.5

01196650 - LAKE WINTERGREEN AT WOODBRIDGE CONN (LAT 41 21 10 LONG 072 58 04)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
14...	0	1	--	--	--	--	1	--	--	<.5	<.5

HOUSATONIC RIVER BASIN--Continued

01201485 - STILL RIVER AT BROOKFIELD JUNCTION CONN (LAT 41 27 23 LONG 073 23 47)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
01...	3	1	--	--	--	--	2	--	--	--	<.5
02...	--	--	--	--	--	--	--	--	--	.5	--

01202000 - SHEPAUG RESERVOIR AT WOODVILLE CONN (LAT 41 43 24 LONG 073 17 37)

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT., 1970											
08...	2	0	--	--	--	--	4	--	--	<.5	<.5

DATE	DIS-SOLVED MOLY-BDENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED RUBI-DIUM (RB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
BRANFORD RIVER BASIN--Continued											
01195720 - LAKE GAILLARD AT NORTH BRANFORD CONN (LAT 41 20 15 LONG 072 46 15)											
OCT., 1970 14...	--	--	--	--	--	--	--	--	--	0	--
EAST HAVEN RIVER BASIN--Continued											
01195420 - LAKE SALTONSTALL AT EAST HAVEN CONN (LAT 41 16 45 LONG 072 51 45)											
OCT., 1970 14...	--	--	--	--	--	--	--	--	--	0	--
QUINNIPIAC RIVER BASIN--Continued											
01195400 - QUINNIPIAC RIVER NEAR SOUTHINGTON CONN (LAT 41 38 35 LONG 072 52 42)											
OCT., 1970 16...	--	--	--	--	--	--	--	--	--	--	--
NOV. 12...	--	--	--	--	--	--	--	--	--	--	--
DEC. 14...	--	--	--	--	--	--	--	--	--	--	--
01196500 - QUINNIPIAC RIVER AT WALLINGFORD, CONN. (LAT 41 26 58 LONG 072 50 29)											
OCT., 1970 01...	--	--	--	--	--	--	--	--	--	20	--
02...	--	--	--	--	--	--	--	--	--	--	--
01196523 - QUINNIPIAC RIVER NEAR NORTH HAVEN CONN (LAT 41 24 46 LONG 072 51 10)											
OCT., 1970 15...	--	--	--	--	--	--	--	--	--	--	--
NOV. 12...	--	--	--	--	--	--	--	--	--	--	--
DEC. 14...	--	--	--	--	--	--	--	--	--	--	--
MILL RIVER BASIN--Continued											
01196625 - WHITNEY LAKE AT NEW HAVEN CONN (LAT 41 20 13 LONG 072 54 37)											
OCT., 1970 14...	--	--	--	--	--	--	--	--	--	10	--
WEST RIVER BASIN--Continued											
01196633 - LAKE WATROUS NR BETHANY CONN (LAT 41 23 06 LONG 072 58 23)											
OCT., 1970 14...	--	--	--	--	--	--	--	--	--	0	--
01196634 - GLEN DAM RESERVOIR NEAR WOODBRIDGE CONN (LAT 41 22 39 LONG 072 58 47)											
OCT., 1970 14...	--	--	--	--	--	--	--	--	--	0	--
01196650 - LAKE WINTERGREEN AT WOODBRIDGE CONN (LAT 41 21 10 LONG 072 58 04)											
OCT., 1970 14...	--	--	--	--	--	--	--	--	--	0	--
HOUSATONIC RIVER BASIN--Continued											
01201485 - STILL RIVER AT BROOKFIELD JUNCTION CONN (LAT 41 27 23 LONG 073 23 47)											
OCT., 1970 01...	--	--	--	--	--	--	--	--	--	0	--
02...	--	--	--	--	--	--	--	--	--	--	--
01202000 - SHEPAUG RESERVOIR AT WOODVILLE CONN (LAT 41 43 24 LONG 073 17 37)											
OCT., 1970 08...	--	--	--	--	--	--	--	--	--	0	--

DATE	TIME	DIS-CHARGE (CFS)	TEMP-ERATURE (DEG C)	AIR TEMP-ERATURE (DEG C)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BISMUTH (BI) (UG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)
HOUSATONIC RIVER BASIN--Continued												
01207500 - MORRIS RESERVOIR NEAR THOMASTON CONN (LAT 41 40 29 LONG 073 08 39)												
OCT., 1970												
08...	0915	--	16.0	22.0	--	0	--	--	--	--	0	--
01208000 - WIGWAM RESERVOIR NEAR THOMASTON CONN (LAT 41 39 50 LONG 073 07 41)												
OCT., 1970												
08...	0845	--	16.5	21.0	--	0	--	--	--	--	1	--
01208500 - NAUGATUCK RIVER AT BEACON FALLS CONN (LAT 41 26 32 LONG 073 03 47)												
OCT., 1970												
01...	1230	97	19.5	17.0	--	40	--	--	--	--	22	--
02...	1125	97	17.0	16.8	--	--	--	--	--	--	--	--
01208810 - TRAP FALLS RESERVOIR NEAR HUNTINGTON CONN (LAT 41 15 52 LONG 073 08 30)												
OCT., 1970												
08...	1430	--	22.5	25.0	--	0	--	--	--	--	1	--
01208630 - BEAVER BROOK RESERVOIR AT DEVON CONN (LAT 41 12 19 LONG 073 05 27)												
OCT., 1970												
14...	--	--	--	--	--	20	--	--	--	--	0	--
MILL RIVER BASIN												
01208905 - EASTON RESERVOIR NEAR EASTON CONN (LAT 41 15 00 LONG 073 15 30)												
OCT., 1970												
08...	1400	--	19.0	24.0	--	0	--	--	--	--	0	--
01208915 - HEMLOCK RESERVOIR NEAR PLATTSVILLE CONN (LAT 41 12 30 LONG 073 17 00)												
OCT., 1970												
08...	1300	--	19.5	24.0	--	0	--	--	--	--	0	--

DATE	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED GALLIUM (GA) (UG/L)	DIS-SOLVED GER-MANIUM (GE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
HOUSATONIC RIVER BASIN--Continued											
01207500 - MORRIS RESERVOIR NEAR THOMASTON CONN (LAT 41 40 29 LONG 073 08 39)											
OCT., 1970											
08...	1	0	--	--	--	--	0	--	--	<.5	<.5
01208000 - WIGWAM RESERVOIR NEAR THOMASTON CONN (LAT 41 39 50 LONG 073 07 41)											
OCT., 1970											
08...	3	3	--	--	--	--	2	--	--	<.5	<.5
01208500 - NAUGATUCK RIVER AT BEACON FALLS CONN (LAT 41 26 32 LONG 073 03 47)											
OCT., 1970											
01...	3	2	--	--	--	--	4	--	--	--	<.5
02...	--	--	--	--	--	--	--	--	--	<.5	--
01208810 - TRAP FALLS RESERVOIR NEAR HUNTINGTON CONN (LAT 41 15 52 LONG 073 08 30)											
OCT., 1970											
08...	3	0	--	--	--	--	3	--	--	<.5	--
01208830 - BEAVER BROOK RESERVOIR AT DEVON CONN (LAT 41 12 19 LONG 073 05 27)											
OCT., 1970											
14...	0	1	--	--	--	--	1	--	--	<.5	<.5
MILL RIVER BASIN--Continued											
01208905 - EASTON RESERVOIR NEAR EASTON CONN (LAT 41 15 00 LONG 073 15 30)											
OCT., 1970											
08...	2	0	--	--	--	--	8	--	--	<.5	<.5
01208915 - HEMLOCK RESERVOIR NEAR PLATTSVILLE CONN (LAT 41 12 30 LONG 073 17 00)											
OCT., 1970											
08...	3	0	--	--	--	--	2	--	--	<.5	<.5

MINOR ELEMENT ANALYSES, MICROGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	DIS-SOLVED MOLY-BDENUM (MO) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED RUBI-DIUM (RB) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED TIN (SN) (UG/L)	DIS-SOLVED TI-TANIUM (TI) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED ZIR-CONIUM (ZR) (UG/L)
HOUSATONIC RIVER BASIN--Continued											
01207500 - MORRIS RESERVOIR NEAR THOMASTON CONN (LAT 41 40 29 LONG 073 08 39)											
OCT., 1970											
08...	--	--	--	--	--	--	--	--	--	10	--
01208000 - WIGWAM RESERVOIR NEAR THOMASTON CONN (LAT 41 39 50 LONG 073 07 41)											
OCT., 1970											
08...	--	--	--	--	--	--	--	--	--	0	--
01208500 - NAUGATUCK RIVER AT BEACON FALLS CONN (LAT 41 26 32 LONG 073 03 47)											
OCT., 1970											
01...	--	--	--	--	--	--	--	--	--	1600	--
07...	--	--	--	--	--	--	--	--	--	--	--
01208610 - TRAP FALLS RESERVOIR NEAR HUNTINGTON CONN (LAT 41 15 52 LONG 073 08 30)											
OCT., 1970											
08...	--	--	--	--	--	--	--	--	--	0	--
01208830 - BEAVER BROOK RESERVOIR AT DEVON CONN (LAT 41 12 19 LONG 073 05 27)											
OCT., 1970											
14...	--	--	--	--	--	--	--	--	--	10	--
MILL RIVER BASIN--Continued											
01208905 - EASTON RESERVOIR NEAR EASTON CONN (LAT 41 15 00 LONG 073 15 30)											
OCT., 1970											
08...	--	--	--	--	--	--	--	--	--	0	--
01208915 - HEMLOCK RESERVOIR NEAR PLATTSVILLE CONN (LAT 41 12 30 LONG 073 17 00)											
OCT., 1970											
08...	--	--	--	--	--	--	--	--	--	0	--

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

WELL NUMBER	LOCAL NUMBER	DEPTH OF WELL (FT.)	MAJOR AQUIFER	DATE OF SAMPLE	SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)
CONNECTICUT RIVER BASIN										
TOWN OF CROMWELL										
413810N0723758.2	CR 307	142	OD	12-01-69	12	70	0	35	2.9	8.3
413810N0723758.2	CR 307	142	OD	12-04-69	12	60	0	33	2.7	8.0
TOWN OF MANCHESTER										
414530N0722803.1	M 165	250	OC	10-01-69	13	150	0	8.3	2.5	5.6
QUINNIPIAC RIVER BASIN										
TOWN OF CHESHIRE										
413223N0725246.1	CS 67	96	OD	04-29-70	14	20	0	29	3.1	6.5
TOWN OF HAMDEN										
412440N0725348.1	HM 413	105	OD	04-29-70	10	50	0	20	3.0	7.6
412637N0725421.1	HM 416	157	OD	04-29-70	13	1200	10	24	2.3	6.6
TOWN OF MERIDEN										
413242N0724930.1	ME 196	72	OD	04-28-70	14	20	0	57	12	10
413053N0724945.1	ME 197	80	OD	04-28-70	11	10	0	52	9.9	10
413301N0724707.1	ME 198	70	OD	04-29-70	15	20	0	76	12	14
TOWN OF NORTH BRANFORD										
412526N0724600.1	NBR 86	218	OS	04-29-70	19	60	0	90	10	7.0
TOWN OF NORTH HAVEN										
C 412448N0725109.1	NHV 159	186	OD	02-09-70	12	120	0	30	9.6	8.3
D 412448N0725109.1	NHV 159	186	OD	03-09-70	13	70	10	32	9.6	8.7
F 412448N0725109.1	NHV 159	186	OD	04-13-70	13	60	0	32	8.7	9.0
G 412448N0725109.1	NHV 159	186	OD	05-11-70	13	110	0	33	9.1	8.9
H 412448N0725109.1	NHV 159	186	OD	06-11-70	12	50	0	33	8.0	8.6
412448N0725109.1	NHV 159	186	OD	07-13-70	16	20	0	56	5.0	10
412448N0725109.1	NHV 159	186	OD	08-10-70	10	470	20	32	8.6	8.5
412448N0725109.1	NHV 159	186	OD	09-10-70	11	420	200	31	8.9	8.4
TOWN OF PLAINVILLE										
414021N0725055.1	PV 1	66	OD	04-28-70	16	80	70	60	9.0	17
414021N0725054.1	PV 2	66	OD	04-28-70	17	50	30	67	10	9.2
414142N0725156.1	PV 63	110	OD	04-28-70	16	30	0	35	3.6	6.7
414020N0725050.1	PV 64	50	OD	04-28-70	20	20	10	58	12	7.0
TOWN OF SOUTHINGTON										
413340N0725243.1	S 19	93	OD	04-28-70	15	30	20	66	6.3	37
J 413835N0725241.1	S 302	83	OD	02-09-70	18	10	0	56	6.3	10
K 413835N0725241.1	S 302	83	OD	04-13-70	18	50	200	55	5.9	11
L 413835N0725241.1	S 302	83	OD	05-11-70	18	120	0	53	6.2	10
M 413835N0725241.1	S 302	83	OD	06-11-70	16	60	0	58	6.0	11
413835N0725241.1	S 302	83	OD	07-13-70	10	150	0	31	8.6	8.4
413835N0725241.1	S 302	83	OD	08-17-70	15	70	0	56	6.0	10
413835N0725241.1	S 302	83	OD	09-10-70	15	120	10	56	6.2	10
413629N0725215.1	S 331	69	OD	04-28-70	15	60	0	38	6.7	7.6
413649N0725234.1	S 334	65	OD	04-28-70	15	70	0	39	4.3	7.8
413614N0725251.1	S 335	66	OD	04-28-70	16	50	0	69	5.1	17
TOWN OF WALLINGFORD										
412812N0725156.1	WLD 109	138	OS	04-28-70	20	20	0	24	12	8.3
412841N0724946.1	WLD 248	95	OD	04-28-70	11	10	30	61	8.6	12

MAJOR AQUIFER: OC CRYSTALLINE BEDROCK, NON-CARBONATE; OD STRATIFIED DRIFT; OS SEDIMENTARY BEDROCK;

C CR6 0 UG/L; D CR6 0 UG/L; F CR6 0 UG/L; G CO3 2 MG/L, CR6 0 UG/L; H CR6 0 UG/L; J CR6 0 UG/L; K CR6 0 UG/L; L CR 6 0 UG/L; M CR6 0 UG/L.

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TEMPERATURE (DEG C)
CONNECTICUT RIVER BASIN--Continued											
TOWN OF CROMWELL--Continued											
.3	70	29	5.6	.1	56	163	100	42	259	7.5	8.0
.3	64	29	5.0	.1	55	150	96	38	236	7.6	9.0
TOWN OF MANCHESTER--Continued											
.9	12	16	6.9	.0	9.9	60	50	20	96	6.6	10.0
QUINNIPIAC RIVER BASIN--Continued											
TOWN OF CHESHIRE--Continued											
.9	69	19	11	1.2	12	129	86	30	197	7.5	8.5
TOWN OF HAMDEN--Continued											
.7	53	17	16	1.0	5.6	97	66	22	166	7.1	8.5
.6	42	13	11	.9	6.6	103	70	19	166	7.9	8.0
TOWN OF MERIDEN--Continued											
.5	106	36	16	.9	12	273	192	106	609	7.5	11.0
.9	161	26	22	.1	11	238	170	38	361	8.1	12.0
.7	174	74	36	.1	11	329	296	92	560	7.6	12.6
TOWN OF NORTH BRANFORD--Continued											
.8	205	60	27	.1	7.3	309	221	57	517	7.7	11.5
TOWN OF NORTH HAVEN--Continued											
.6	106	23	16	--	7.6	157	116	28	270	7.9	--
.6	106	26	16	--	7.0	157	116	28	262	8.1	11.0
.6	107	26	17	--	6.3	165	116	28	270	7.9	13.0
.5	108	23	17	.1	7.6	163	120	32	288	8.1	12.0
.5	109	22	17	.0	7.6	172	119	30	288	8.2	11.5
.9	156	26	17	.1	52	229	166	54	392	7.9	7.0
.6	106	19	19	.0	9.1	163	116	30	286	7.8	9.0
.9	117	21	16	--	5.5	176	112	20	286	8.2	--
TOWN OF PLAINVILLE--Continued											
1.3	193	29	29	.1	6.1	219	197	30	360	7.3	11.2
.5	135	66	20	.2	8.2	231	158	46	350	7.6	11.0
.3	86	19	15	.0	13	166	102	31	229	8.2	10.5
.6	196	38	19	.2	8.2	298	196	63	302	7.9	11.0
TOWN OF SOUTHINGTON--Continued											
.9	113	28	61	1.2	5.2	270	136	46	469	8.0	9.6
.9	136	29	16	--	39	262	166	56	379	7.7	--
.8	156	30	17	--	56	262	161	51	360	7.5	16.0
.5	129	27	17	.1	56	177	158	55	302	7.0	13.0
.9	133	26	17	.1	59	260	169	55	389	7.7	16.5
.6	106	19	16	.0	6.7	162	113	28	206	8.0	8.0
.5	157	26	20	.1	27	222	166	54	399	7.7	7.7
.8	136	27	19	--	21	253	160	50	387	8.0	--
.6	99	21	6.6	1.1	19	162	116	36	293	7.2	9.8
.7	99	22	11	.1	13	160	115	36	290	7.3	9.5
1.7	120	23	31	.1	16	270	163	46	360	7.6	11.5
TOWN OF WALLINGFORD--Continued											
1.1	108	21	12	.1	12	137	110	21	259	8.1	10.9
.9	179	33	20	.1	19	263	160	56	600	7.7	11.5

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

WELL NUMBER	LOCAL NUMBER	DEPTH OF WELL (FT.)	MAJOR AQUIFER	DATE OF SAMPLE	SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)
BRANFORD RIVER BASIN											
TOWN OF BRANFORD											
[illegible]	BR 169	110	OC	06-13-71	--	120	0	15	8.2	--	--
[illegible]	BR 171	113	OD	03-30-71	--	800	290	17	10	--	--
[illegible]	BR 172	115	OS	03-30-71	--	60	0	36	14	--	--
[illegible]	BR 173	75	OC	03-30-71	--	570	180	29	6.4	--	--
[illegible]	BR 175	100	OC	03-30-71	--	460	390	20	5.4	--	--
[illegible]	BR 176	495	OS	06-02-71	--	130	0	7.5	3.0	--	--
TOWN OF GUILFORD											
[illegible]	GU 171	245	OC	03-11-71	--	2000	100	27	6.2	--	--
[illegible]	GU 173	140	OS	06-23-71	--	110	0	29	3.5	--	--
TOWN OF NORTH BRANFORD											
[illegible]	NBR 81	165	OS	06-29-71	18	490	0	40	13	--	--
B [illegible]	NBR 82	525	OS	06-29-71	--	60	0	3.0	.6	--	--
[illegible]	NBR 83	10	OD	03-16-71	--	10	0	28	10	--	--
[illegible]	NBR 84	65	OD	03-16-71	--	240	0	34	9.7	--	--
[illegible]	NBR 85	315	OS	06-29-71	--	30	0	46	9.3	--	--
[illegible]	[illegible]	521	OS	06-02-71	--	90	10	33	15	--	--
CONNECTICUT RIVER BASIN											
TOWN OF BRISTOL											
[illegible]	BS 95	43	OD	01-28-71	13	80	230	23	3.8	20	2.2
TOWN OF COLCHESTER											
[illegible]	CO 308	58	OD	05-20-71	9.0	--	--	10	2.6	8.7	1.2
[illegible]	CO 309	39	OD	05-20-71	8.1	1800	--	35	9.5	30	4.1
[illegible]	CO 313	76	OD	05-20-71	17	--	--	12	2.0	6.4	4.1
[illegible]	CO 314	75	OD	05-20-71	13	--	--	14	4.0	13	2.5
[illegible]	CO 317	255	OC	05-20-71	18	--	--	37	15	38	4.6
TOWN OF DURHAM											
P [illegible]	DU 50	285	OS	05-25-71	--	--	0	37	17	33	1.0
TOWN OF DEEP RIVER											
[illegible]	DR 6	75	OD	07-02-71	9.8	40000	350	15	4.6	6.4	1.1
TOWN OF EAST HADDAM											
[illegible]	EHD 318	298	OC	06-04-71	19	310	130	18	2.5	6.9	2.7
TOWN OF EAST HAMPTON											
[illegible]	EHM 364	90	OC	06-04-71	10	230	0	4.0	.9	2.7	.5
TOWN OF HEBRON											
[illegible]	HB 1	303	OC	05-28-71	18	1300	270	44	4.0	14	3.6
[illegible]	HB 2	283	OC	05-28-71	12	240	0	23	2.5	8.6	2.5
TOWN OF LEBANON											
[illegible]	LB 2	202	OC	05-28-71	9.6	325	60	23	2.8	6.2	.6
TOWN OF MARLBOROUGH											
[illegible]	MB 2	405	OC	05-28-71	19	2300	330	56	4.1	26	1.6
[illegible]	MB 1	254	OC	05-28-71	24	130	80	22	5.0	40	4.5
TOWN OF MIDDLEFIELD											
[illegible]	MI 173	216	OS	05-28-71	9.8	600	0	27	7.1	30	1.6

MAJOR AQUIFER: OC CRYSTALLINE BEDROCK, NON-CARBONATE; OD STRATIFIED DRIFT; OS SEDIMENTARY BEDROCK.

B CO3 20 MG/L; P CO3 6 MG/L.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
BRANFORD RIVER BASIN--Continued													
TOWN OF BRANFORD--Continued													
15	25	25	17	--	40	160	--	71	51	240	A5.9	--	12.5
12	69	23	21	--	.0	157	--	84	27	228	A6.6	--	10.0
14	193	11	16	--	12	188	--	142	13	335	A7.0	--	11.0
16	73	23	22	--	24	193	--	99	39	288	A6.9	--	12.0
14	101	6.5	9.3	--	.1	138	--	72	0	188	A7.3	--	12.0
113	319	7.5	4.1	--	.2	319	--	31	0	505	A8.2	--	13.0
TOWN OF GUILFORD--Continued													
--	66	17	9.4	--	.2	130	--	93	39	178	A6.3	--	13.0
4.1	80	15	4.5	--	4.3	140	--	87	163	196	A8.0	--	9.5
TOWN OF NORTH BRANFORD--Continued													
2.8	124	16	28	.1	1.6	243	178	153	52	400	A7.2	--	11.5
99	199	16	7.5	--	.0	248	--	10	0	397	A9.1	--	11.5
6.4	63	37	11	--	24	172	--	111	59	268	A6.8	--	9.0
6.7	49	26	23	--	8.6	175	--	125	52	288	A7.3	--	11.5
6.9	159	17	17	--	1.7	208	--	158	28	335	A7.2	--	12.0
43	233	21	15	--	3.8	254	--	144	0	440	A7.5	--	12.5
CONNECTICUT RIVER BASIN--Continued													
TOWN OF BRISTOL--Continued													
--	27	69	28	.1	7.0	201	179	73	51	305	6.7	--	15.0
TOWN OF COLCHESTER--Continued													
--	9	13	17	.1	6.7	102	72	36	28	139	6.2	.01	10.5
--	74	44	62	.0	3.5	265	233	126	66	434	7.0	.10	12.0
--	29	22	6.3	.0	7.4	92	84	38	14	138	7.2	.04	11.0
--	27	24	19	.0	11	116	114	51	29	191	6.6	.03	9.5
--	20	18	140	.1	10	--	286	142	125	557	7.1	.06	13.0
TOWN OF DURHAM--Continued													
--	216	38	7.5	.5	1.8	255	--	162	0	430	9.4	.03	11.0
TOWN OF DEEP RIVER--Continued													
--	42	26	8.7	.0	.0	--	93	56	21	151	6.5	.03	--
TOWN OF EAST HADDAM--Continued													
--	58	15	6.6	.1	.0	--	99	55	8	154	7.9	.02	11.0
TOWN OF EAST HAMPTON--Continued													
--	8	6.5	2.4	.0	.0	--	31	14	7	39	6.9	.01	8.5
TOWN OF HEBRON--Continued													
--	180	6.7	5.0	.1	.0	--	184	126	0	302	8.0	.03	12.0
--	62	21	9.5	.1	2.6	--	113	68	17	178	7.7	.04	10.5
TOWN OF LEBANON--Continued													
--	38	22	19	.1	2.6	--	105	69	38	184	6.9	.04	10.5
TOWN OF MARLBOROUGH--Continued													
--	90	46	64	.0	.0	--	259	151	78	456	7.7	.06	12.5
--	130	40	18	.1	.0	--	218	76	0	340	7.9	--	12.0
TOWN OF MIDDLEFIELD--Continued													
--	80	35	46	.0	6.6	--	203	97	31	366	7.3	.05	11.5

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

WELL NUMBER	LOCAL NUMBER	DEPTH OF WELL (FT.)	MAJOR AQUIFER	DATE OF SAMPLE	SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)
CONNECTICUT RIVER BASIN											
TOWN OF MIDDLETOWN											
413331N0723724.1	MT 319	59	OD	05-24-71	8.2	800	320	17	2.6	9.4	.8
413331N0723729.1	MT 320	65	OD	05-24-71	6.5	560	320	13	2.2	8.6	.8
413332N0723735.1	MT 321	68	OD	05-24-71	3.1	3900	200	13	2.1	11	3.3
413000N0724037.1	MT 322	200	OS	05-25-71	11	260	0	16	2.4	7.2	3.2
413000N0724037.2	MT 15P	--	OD	05-25-71	9.4	880	0	23	3.8	12	.9
TOWN OF ESSEX											
412212N0722331.1	ES 90	40	OD	06-01-71	10	980	100	14	2.9	14	2.6
412212N0722331.2	ES 91	70	OD	06-01-71	11	3800	80	15	4.0	11	2.6
COVE RIVER BASIN											
TOWN OF WEST HAVEN											
411553N0725759.1	WHV 437	350	OC	04-15-71	--	2150	0	49	5.2	14	--
FARM RIVER BASIN											
TOWN OF BRANFORD											
411654N0725113.1	BR 374	178	OS	03-15-71	--	70	0	28	14	--	--
TOWN OF EAST HAVEN											
411902N0725107.1	EHV 100	110	OS	02-12-71	--	90	0	22	6.6	--	--
TOWN OF NORTH BRANFORD											
412503N0724519.1	NBR 83	100	OS	04-02-71	16	150	80	375	45	--	--
GREAT CREEK BASIN											
TOWN OF MILFORD											
411303N0730415.1	MI 6	45	OD	04-20-71	--	40	0	44	14	--	--
HAMMONASSETT RIVER BASIN											
TOWN OF CLINTON											
411824N0723500.1	CL 191	100	OD	06-15-71	15	280	0	12	3.2	7.0	1.2
HOADLEY CREEK BASIN											
TOWN OF GUILFORD											
411614N0724316.1	G 372	206	OC	03-15-71	--	90	30	18	3.3	--	--
INDIAN RIVER BASIN											
TOWN OF MILFORD											
411412N0730050.1	MI 308	225	OC	04-17-71	--	120	0	31	8.5	--	--
TOWN OF ORANGE											
411630N0725951.1	O 406	111	OC	04-17-71	--	60	0	22	4.5	--	--
411638N0730056.1	O 407	383	OC	04-14-71	--	100	0	27	7.2	--	--

MAJOR AQUIFER; OC CRYSTALLINE BEDROCK, NON-CARBONATE; OD STRATIFIED DRIFT; OS SEDIMENTARY BEDROCK.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
CONNECTICUT RIVER BASIN--Continued													
TOWN OF MIDDLETOWN--Continued													
--	44	17	12	.0	1.3	--	90	53	17	155	7.5	.03	7.5
--	40	12	9.7	.0	.4	--	73	42	9	136	7.3	.03	7.0
--	36	20	13	.1	.0	--	84	41	12	154	7.1	.08	--
--	18	20	21	.0	6.2	--	96	50	35	163	7.1	.04	10.5
--	33	25	29	.1	6.2	--	126	73	46	224	6.9	.04	10.0
TOWN OF ESSEX--Continued													
--	11	21	30	.0	10	--	110	47	38	205	7.0	.04	11.5
--	14	15	23	.0	29	--	117	54	42	199	6.8	.05	11.5
COVE RIVER BASIN--Continued													
TOWN OF WEST HAVEN--Continued													
--	160	25	9.1	--	4.2	212	--	144	12	334	A7.5	--	11.5
FARM RIVER BASIN--Continued													
TOWN OF BRANFORD--Continued													
31	187	23	12	--	2.1	223	--	128	0	377	A7.8	--	11.5
TOWN OF EAST HAVEN--Continued													
9.4	52	20	21	--	12	146	--	82	40	239	A6.8	--	10.5
TOWN OF NORTH BRANFORD--Continued													
46	179	1000	23	--	.9	1930	1548	1122	975	2090	A7.0	--	12.0
GREAT CREEK BASIN--Continued													
TOWN OF MILFORD--Continued													
6.4	104	56	27	--	--	281	--	168	82	439	A6.4	--	15.0
HAMMONASSETT RIVER BASIN--Continued													
TOWN OF CLINTON--Continued													
--	25	14	12	.0	11	--	87	43	23	135	7.1	.03	--
HOADLEY CREEK BASIN--Continued													
TOWN OF GUILFORD--Continued													
11	62	13	10	--	3.6	120	--	58	8	166	A6.7	--	15.0
INDIAN RIVER BASIN--Continued													
TOWN OF MILFORD--Continued													
13	94	41	16	--	.0	185	--	113	36	282	A7.7	--	11.5
TOWN OF ORANGE--Continued													
5.5	56	23	9.3	--	3.1	121	--	74	28	180	A6.3	--	12.0
20	133	18	9.0	--	.0	169	--	97	0	263	A7.9	--	12.0

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

WELL NUMBER	LOCAL NUMBER	DEPTH OF WELL (FT.)	MAJOR AQUIFER	DATE OF SAMPLE	SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L
MENUNKETESUCK RIVER BASIN											
TOWN OF CLINTON											
411742N0723145.1	CL 190	80	OD	06-08-71	13	600	140	9.0	2.0	7.2	1.4
MILL RIVER BASIN											
TOWN OF CHESHIRE											
412906N0725458.1	CS 162	59	OD	03-01-71	--	200	0	48	2.8	--	--
Q 412855N0725220.1	CS 164	370	OS	03-03-71	--	270	0	2.0	.1	--	--
413026N0725449.1	CS 165	500	OS	03-03-71	--	30	0	60	1.6	--	--
412852N0725418.1	CS 168	95	OS	02-24-71	--	40	0	29	1.9	--	--
R 413002N0725343.1	CS 172	362	OS	02-22-71	--	60	0	8.5	.1	--	--
412816N0725622.1	CS 173	380	OS	04-26-71	--	120	0	22	10	--	--
412841N0725525.1	CS 174	140	OS	03-10-71	--	590	110	23	2.2	--	--
TOWN OF HAMDEN											
412603N0725538.1	HM 415	90	OS	03-08-71	--	170	0	2.0	.1	--	--
412523N0725706.1	HM 416	289	OC	03-09-71	--	250	0	7.5	1.6	--	--
412040N0725536.1	HM 420	185	OD	04-12-71	--	160	0	50	4.5	--	--
S 412048N0725605.1	HM 421	420	OS	04-12-71	--	580	0	2.0	.0	--	--
412254N0725408.1	HM 422	51	OD	04-30-71	--	70	0	58	6.7	--	--
412451N0725520.1	HM 423	90	OS	04-30-71	--	390	0	33	4.6	--	--
412707N0725358.1	HM 424	285	OS	03-01-71	--	380	130	57	2.5	--	--
TOWN OF NEW HAVEN											
411843N0725439.1	NHN 355	39	OD	08-24-71	16		--	82	18	36	10
411843N0725439.1	NHN 355	39	OD	09-23-71	--		--	--	--	--	--
TOWN OF PROSPECT											
412818N0725748.1	PR 5	140	OC	02-24-71	--	300	40	26	2.5	--	--
MORRIS CREEK BASIN											
TOWN OF EAST HAVEN											
411710N0725251.1	EHV 102	162	OS	03-16-71	--	40	0	35	11	15	--
PATCHOGUE RIVER BASIN											
TOWN OF WESTBROOK											
411802N0722656.1	WE 257	46	OD	06-08-71	30	3500	650	11	2.3	43	1.4
QUINNIPIAC RIVER BASIN											
TOWN OF CHESHIRE											
413210N0725650.1	CS 163	102	OD	03-04-71	--	2000	0	8.0	2.0	--	--
413157N0725351.1	CS 166	55	OD	03-02-71	--	50	0	66	2.1	--	--
T 412817N0725545.1	CS 167	250	OS	03-03-71	--	90	0	1.0	.2	--	--
U 413110N0725257.1	CS 169	203	OS	02-24-71	--	60	0	3.0	.1	--	--
413313N0725256.1	CS 170	500	OS	02-22-71	--	50	0	20	2.0	--	--
413158N0725344.1	CS 171	162	OS	02-19-71	--	30	0	48	2.0	--	--
413211N0725224.1	CS 175	110	OD	03-10-71	--	490	0	18	1.8	--	--

MAJOR AQUIFER: OC CRYSTALLINE BEDROCK, NON-CARBONATE; OD STRATIFIED DRIFT; OS SEDIMENTARY BEDROCK.

Q CO3 11 MG/L; R CO3 8 MG/L; S CO3 20 MG/L; T CO3 26 MG/L; U CO3 7 MG/L.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

MENUNKETESUCK RIVER BASIN--Continued

TOWN OF CLINTON--Continued

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
--	18	14	12	.0	.4	--	68	31	16	104	7.2	.02	12.0

MILL RIVER BASIN--Continued

TOWN OF CHESHIRE--Continued

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
9.2	120	19	17	--	11	210	--	130	33	310	A7.0	--	10.0
71	136	17	8.2	--	.1	181	--	6	0	312	A9.1	--	12.0
16	150	22	22	--	16	238	--	160	35	398	A7.0	--	14.0
2.8	68	11	11	--	4.3	122	--	83	24	194	A6.7	--	10.5
94	162	29	30	--	10	275	--	22	0	445	A8.0	--	12.0
13	73	11	34	--	5.6	159	--	96	36	269	A6.5	--	11.5
5.1	34	17	13	.1	16	131	--	66	39	176	A6.3	--	8.0

TOWN OF HAMDEN--Continued

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
24	44	9.1	7.8	--	2.7	85	--	6	0	122	A7.4	--	12.0
17	63	4.8	3.6	--	.1	84	--	25	0	114	A8.5	--	10.5
8.3	118	26	20	--	12	202	--	143	67	322	A7.9	--	12.5
88	118	40	17	--	.5	190	--	5	0	344	A9.2	--	12.0
13	123	26	35	--	20	293	--	172	72	450	A7.9	--	12.0
23	83	18	31	--	27	202	--	101	33	330	A5.8	--	11.0
13	158	16	14	--	15	214	--	150	22	393	A7.2	--	10.5

TOWN OF NEW HAVEN--Continued

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
--	136	80	72	.2	53	--	--	279	167	793	7.3	--	--
--	--	--	100	--	--	--	--	--	--	515	--	--	--

TOWN OF PROSPECT--Continued

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
14	38	16	37	--	8.4	173	--	75	44	241	A6.8	--	10.5

MORRIS CREEK BASIN--Continued

TOWN OF EAST HAVEN--Continued

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
--	155	22	10	--	1.0	187	--	133	6	316	A8.1	--	12.5

PATCHOGUE RIVER BASIN--Continued

TOWN OF WESTBROOK--Continued

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
--	128	10	15	1.8	1.0	--	180	37	0	268	8.2	.03	12.0

QUINNIPIAC RIVER BASIN--Continued

TOWN OF CHESHIRE--Continued

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
14	32	6.1	5.7	--	22	62	--	28	2	84	A7.2	--	12.5
3.2	105	33	28	--	38	265	--	170	87	394	A7.6	--	13.0
83	141	17	4.6	--	1.0	212	--	4	0	351	A9.4	--	11.5
68	87	15	29	--	.1	194	--	8	0	312	A9.0	--	13.0
.9	54	10	4.0	--	.3	77	--	58	14	137	A8.2	--	10.0
60	125	17	91	--	13	327	--	133	26	570	A7.9	--	10.0
9.0	61	9.0	5.7	--	5.7	109	--	52	2	150	A8.4	--	10.0

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

WELL NUMBER	LOCAL NUMBER	DEPTH OF WELL (FT.)	MAJOR AQUIFER	DATE OF SAMPLE	SILICA (SIO2) (MG/L)	DISS-OLVED IRON (FE) (UG/L)	DISS-OLVED MAN-GANESE (MN) (UG/L)	CAL-CIUM (CA) (MG/L)	MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)
QUINNIPIAC RIVER BASIN											
TOWN OF EAST HAVEN											
412057N0724940.1	EHV 101	300	OS	02-03-71	--	30	0	60	6.9	--	--
TOWN OF HAMDEN											
412553N0725152.1	HM 417	109	OS	02-19-71	--	30	0	7.0	3.1	--	--
412613N0725151.1	HM 418	300	OC	02-23-71	--	60	0	27	5.3	--	--
TOWN OF MERIDEN											
413008N0724524.1	ME 199	746	OS	02-08-71	--	60	0	24	5.6	--	--
413008N0724524.1	ME 199	746	OS	05-04-71	--	--	--	--	--	--	--
413328N0724509.1	ME 200	465	OS	02-08-71	--	350	0	13	.9	--	--
413328N0724509.1	ME 200	465	OS	05-04-71	--	--	--	--	--	--	--
413324N0724502.1	ME 201	225	OS	02-08-71	--	740	0	39	14	--	--
413324N0724502.1	ME 201	225	OS	05-04-71	--	--	--	--	--	--	--
413221N0725034.1	ME 202	240	OS	02-09-71	--	30	0	40	4.5	--	--
413053N0724752.1	ME 203	100	OS	02-08-71	--	40	0	47	1.8	--	--
413028N0724504.1	ME 204	100	OS	02-09-71	--	30	0	89	7.1	--	--
413049N0724552.1	ME 205	604	OS	05-05-71	--	30	0	38	9.8	5.8	.7
TOWN OF NEW HAVEN											
411839N0725359.1	NHN 351	257	OS	03-15-71	--	140	0	1000	460	--	--
TOWN OF NORTH HAVEN											
412446N0725109.1	NHV 159	186	OD	10-15-70	12	50	0	33	9.4	8.0	.5
412446N0725109.1	NHV 159	186	OD	11-12-70	13	30	20	34	9.2	8.1	.5
412446N0725109.1	NHV 159	186	OD	12-14-70	13	60	0	35	8.3	8.0	.5
412128N0725036.1	NHV 160	320	OS	02-12-71	--	60	0	59	4.5	--	--
412035N0725218.1	NHV 161	385	OS	02-12-71	--	110	0	49	6.0	--	--
V 412455N0725231.1	NHV 162	490	OS	02-22-71	--	80	0	3.0	.0	--	--
412357N0725043.1	NHV 163	113	OS	02-23-71	--	1400	20	13	2.9	--	--
412516N0725025.1	NHV 164	172	OS	02-19-71	--	520	0	16	4.4	--	--
412520N0725009.1	NHV 165	34	OD	05-06-71	--	330	0	34	9.4	--	--
412227N0722259.1	NHV 166	132	OD	04-26-71	--	50	0	72	9.5	--	--
412246N0725308.1	NHV 167	123	OS	03-30-71	--	100	0	55	1.1	--	--
412242N0725020.1	NHV 168	410	OS	02-16-71	--	70	0	8.0	2.3	--	--
TOWN OF PROSPECT											
413053N0725841.1	PR 3	442	OC	03-04-71	--	40	0	13	1.3	--	--
413100N0725721.1	PR 4	197	OC	03-08-71	--	100	80	10	3.9	--	--
412929N0725734.1	PR 6	105	OC	04-26-71	--	2800	370	26	9.0	--	--
TOWN OF PLAINVILLE											
413948N0725030.1	PV 66	265	OC	02-01-71	--	100	50	67	14	--	--
413930N0725215.1	PV 67	265	OS	02-01-71	--	400	0	9.0	.2	--	--
413923N0725050.1	PV 68	400	OS	04-26-71	--	40	0	48	14	--	--
TOWN OF SOUTHINGTON											
413835N0725241.1	S 302	83	OD	10-16-70	17	20	210	59	5.7	10	.9
413835N0725241.1	S 302	83	OD	11-12-70	17	70	20	59	6.5	11	.9
W 413835N0725241.1	S 302	83	OD	12-16-70	17	40	0	56	6.2	11	.9
413446N0725259.1	S 336	110	OD	02-02-71	--	9100	5900	110	22	--	--
X 413720N0725521.1	S 337	400	OS	02-02-71	--	170	0	2.0	.1	--	--
413443N0724935.1	S 338	127	OS	02-09-71	--	20	0	42	9.0	--	--
413443N0724935.1	S 338	127	OS	05-05-71	--		--	--	--	--	--
413401N0725114.1	S 339	130	OS	02-08-71	--	20	0	53	5.3	--	--
413839N0725525.1	S 340	175	OC	02-01-71	--	840	230	21	5.2	--	--
413803N0725141.1	S 341	140	OS	02-02-71	15	30	0	35	1.3	--	--
413753N0725509.1	S 342	82	OD	02-01-71	--	80	0	6.0	1.1	--	--
413619N0725344.1	S 343	120	OS	03-01-71	--	40	0	51	1.3	--	--
413554N0725505.1	S 344	185	OD	03-08-71	--	120	0	18	.9	--	--

MAJOR AQUIFER: OC CRYSTALLINE BEDROCK, NON-CARBONATE; OD STRATIFIED DRIFT; OS SEDIMENTARY BEDROCK.

V CO3 3 MG/L; W CO3 2 MG/L; X CO3 4 MG/L.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

SODIUM PLUS POTAS- SIUM (NA+K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO- RIDE (CL) (MG/L)	FLUO- RIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISS- OLVED SOLIDS (RESI- DUE AT 180 C)	DISS- OLVED SOLIDS (SUM OF CONSTI- TUENTS)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPECI- FIC COND- UCTANCE (MICRO- MHOS)	PH	METHY- LENE BLUE ACTIVE SUB- STANCE	TEMP- ERATURE (DEG C)
QUINNIPIAC RIVER BASIN--Continued													
TOWN OF EAST HAVEN--Continued													
190	92	300	20	--	15	745	--	180	100	1080	A7.8	--	11.0
TOWN OF HAMDEN--Continued													
5.5	26	11	6.0	--	1.1	64	--	30	9	98	A6.8	--	10.0
18	45	17	45	--	13	186	--	90	52	285	A6.7	--	12.0
TOWN OF MERIDEN--Continued													
6.2	83	13	6.5	--	7.4	143	--	130	15	197	A7.6	--	10.5
--	--	--	--	--	--	--	--	--	--	--	--	--	--
76	98	78	23	--	8.5	252	--	36	0	387	A7.9	--	11.0
--	--	--	--	--	--	--	--	--	--	--	--	--	--
6.2	154	19	11	--	8.5	190	--	160	29	321	A7.8	--	11.0
--	--	--	--	--	--	--	--	--	--	--	--	--	--
2.8	108	16	8.1	--	10	176	--	118	30	269	A7.6	--	10.5
.9	103	21	12	--	3.6	188	--	120	40	290	A6.8	--	10.5
7.4	234	20	35	--	5.8	312	--	250	59	519	A7.2	--	9.5
--	115	26	10	.0	4.6	154	--	135	41	271	A7.4	--	11.0
TOWN OF NEW HAVEN--Continued													
3800	134	980	8300	--	.0	16800	--	4590	4480	21900	A7.2	--	13.0
TOWN OF NORTH HAVEN--Continued													
--	108	21	16	.0	6.9	171	159	117	28	284	8.0	--	14.0
--	110	22	16	.0	8.1	166	165	123	33	277	8.1	--	--
--	108	21	18	--	7.2	167	164	122	33	278	8.0	--	--
52	129	46	51	--	66	379	--	170	60	596	A7.3	--	10.5
350	110	72	520	--	.1	1030	--	150	56	1900	A8.2	--	12.0
70	138	23	11	--	3.8	206	--	8	0	328	A8.8	--	12.0
16	25	22	25	--	.1	97	--	44	24	183	A6.3	--	12.0
6.9	44	12	10	--	13	119	--	58	22	169	A7.1	--	11.5
21	30	23	73	--	22	292	--	124	99	403	A6.1	--	10.0
12	181	35	30	--	20	290	--	219	70	481	A7.5	--	14.0
12	108	30	25	.1	16	245	--	142	53	345	A7.6	--	11.0
2.8	16	12	6.7	--	.5	73	--	30	16	88	A7.8	--	8.5
TOWN OF PROSPECT--Continued													
11	63	7.6	2.2	--	.0	89	--	38	0	127	A7.8	--	11.0
11	67	5.4	3.2	--	.1	91	--	41	0	124	A7.8	--	10.5
5.3	57	36	21	--	.0	179	--	102	55	250	A6.2	--	11.0
TOWN OF PLAINVILLE--Continued													
21	141	140	3.8	--	4.2	365	--	220	110	520	A7.4	--	12.0
25	58	23	3.5	--	1.1	94	--	24	0	167	A7.5	--	12.5
5.3	142	62	5.0	--	.8	247	--	178	60	372	A7.8	--	11.5
TOWN OF SOUTHINGTON--Continued													
--	132	26	20	.1	39	262	234	171	62	397	7.9	--	15.0
--	140	29	19	.0	36	236	230	174	59	395	8.2	--	--
--	139	29	22	.0	34	251	245	165	50	409	8.3	--	--
27	450	4.4	31	--	7.7	467	--	360	0	780	A6.8	--	10.0
74	108	51	13	--	.1	213	--	6	0	340	A7.2	--	9.0
8.3	135	18	19	--	4.8	210	--	140	32	321	A7.8	--	10.5
--	--	--	18	--	6.3	--	--	--	--	--	--	--	--
8.5	149	22	14	--	9.8	215	--	150	32	343	A7.0	--	10.5
12	98	12	2.0	--	6.5	110	--	74	0	189	A7.4	--	10.5
4.4	109	8.0	2.8	--	.6	132	121	93	4	197	A8.0	--	9.5
3.7	20	6.1	2.5	--	1.1	50	--	20	3	58	A6.5	--	10.0
3.4	127	15	11	--	6.5	180	--	130	28	285	A6.6	--	10.0
15	80	9.2	3.8	--	1.3	108	--	48	0	166	A8.2	--	12.5

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

WELL NUMBER	LOCAL NUMBER	DEPTH OF WELL (FT.)	MAJOR AQUIFER	DATE OF SAMPLE	SILICA (SIO2) (MG/L)	DISS-OLVED IRON (FE) (UG/L)	DISS-OLVED MAN-GANESE (MN) (UG/L)	CAL-CIUM (CA) (MG/L)	MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)
QUINNIPIAC RIVER BASIN											
TOWN OF WALLINGFORD											
412815N0724449.1	WLD 244	155	OC	02-10-71	--	40	0	24	7.7	--	--
412740N0725012.1	WLD 249	600	OS	02-11-71	--	4300	100	34	5.7	--	--
Z 412753N0725015.1	WLD 250	350	OS	02-11-71	--	3000	30	8.0	1.7	--	--
AA 412829N0724917.1	WLD 251	385	OS	02-11-71	--	663	0	8.0	2.0	--	--
412941N0725026.1	WLD 252	149	OS	02-11-71	--	130	0	29	2.3	--	--
412749N0724642.1	WLD 293	110	OS	02-11-71	--	60	0	26	6.9	--	--
412946N0724800.1	WLD 295	163	OS	02-16-71	--	40	0	33	5.6	--	--
412929N0724700.1	WLD 296	143	OS	02-16-71	--	90	0	52	8.0	--	--
412622N0724623.1	WLD 297	160	OS	02-18-71	--	30	0	39	9.1	--	--
412459N0724711.1	WLD 298	130	OS	02-23-71	--	40	0	32	13	--	--
412418N0724810.1	WLD 299	220	OS	02-10-71	--	440	20	48	8.1	--	--
WEPAWAUG RIVER BASIN											
TOWN OF MILFORD											
411459N0730219.1	MI 307	100	OC	04-27-71	--	--	50	16	7.7	--	--
411431N0730405.1	MI 309	200	OC	04-20-71	--	233	0	67	7.8	--	--
TOWN OF ORANGE											
411541N0730322.1	O 408	110	OC	04-23-71	--	60	0	32	2.0	--	--
411819N0730219.1	O 409	100	OC	04-14-71	--	40	0	60	16	--	--
TOWN OF WOODBRIDGE											
412006N0730030.1	WO 262	135	OC	04-19-71	--	2350	430	12	4.6	--	--
412203N0725953.1	WO 263	403	OC	04-19-71	--	70	0	80	14	--	--
WEST RIVER BASIN											
TOWN OF GUILFORD											
411732N0724132.1	G 374	86	OD	06-08-71	14	60	460	20	5.6	7.3	1.2
WEST RIVER BASIN											
TOWN OF BETHANY											
412353N0725830.1	BE 110	340	OC	04-19-71	--	50	110	92	7.4	--	--
412626N0725829.1	BE 111	160	OC	04-20-71	--	110	0	17	4.2	--	--
412535N0725842.1	BE 112	206	OC	04-20-71	--	80	0	26	3.6	--	--
412537N0725713.1	BE 113	105	OC	03-09-71	--	170	0	17	4.5	--	--
412625N0725839.1	BE 114	380	OC	03-09-71	--	130	0	20	3.4	--	--

MAJOR AQUIFER: OC CRYSTALLINE BEDROCK, NON-CARBONATE; OD STRATIFIED DRIFT; OS SEDIMENTARY BEDROCK.

Z CO3 5 MG/L; AA CO3 4 MG/L.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
QUINNIPIAC RIVER BASIN--Continued													
TOWN OF WALLINGFORD--Continued													
4.1	93	14	4.4	--	9.0	134	--	92	16	200	A7.6	--	10.0
500	219	20	720	--	.0	1410	--	110	0	2570	A7.6	--	12.0
220	298	17	160	--	.0	587	--	24	0	989	A7.8	--	12.0
78	88	17	71	--	3.2	234	--	28	0	441	A8.8	--	10.5
13	93	14	6.5	--	13	148	--	82	6	215	A7.7	--	10.5
7.4	65	19	12	--	30	145	--	94	40	242	A6.7	--	11.0
12	118	16	7.7	--	10	171	--	110	9	265	A7.7	--	10.5
11	80	48	20	--	54	263	--	160	97	401	A6.9	--	10.5
8.5	126	17	16	--	13	226	--	140	32	317	A7.4	--	11.0
9.4	125	32	8.2	--	8.0	197	--	130	31	300	A7.5	--	11.0
23	39	20	79	--	50	338	--	159	120	487	A6.7	--	12.0
WEPAWAUG RIVER BASIN--Continued													
TOWN OF MILFORD--Continued													
4.6	69	18	4.5	--	.0	118	--	72	19	168	A7.3	--	12.0
25	108	64	56	--	23	331	--	199	111	528	A6.8	--	11.5
TOWN OF ORANGE--Continued													
7.4	58	35	13	--	6.2	144	--	91	46	227	A6.7	--	11.0
47	78	27	130	--	27	439	--	207	144	651	A6.4	--	12.5
TOWN OF WOODBRIDGE--Continued													
6.2	55	13	2.7	--	.1	88	--	49	4	118	A7.0	--	12.0
28	201	53	59	--	19	374	324	257	93	630	A7.6	--	12.5
WEST RIVER BASIN--Continued													
TOWN OF GUILFORD--Continued													
--	40	20	21	.0	3.5	--	112	73	40	202	7.6	.02	9.5
WEST RIVER BASIN--Continued													
TOWN OF BETHANY--Continued													
41	129	40	120	--	16	501	--	260	156	715	A7.6	--	12.0
6.9	65	16	3.7	--	.0	108	--	60	6	156	A7.8	--	11.5
5.5	70	22	7.2	--	1.6	121	--	83	22	187	A7.5	--	11.5
6.7	79	6.1	2.7	--	.9	106	--	61	0	160	A7.5	--	13.0
5.1	70	12	3.7	--	.1	100	--	64	6	194	A7.1	--	13.5

CHEMICAL ANALYSES OF GROUND WATER IN CONNECTICUT

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

WELL NUMBER	LOCAL NUMBER	DEPTH OF WELL (FT.)	MAJOR AQUIFER	DATE OF SAMPLE	SILICA (SIO2) (MG/L)	DISS-OLVED IRON (FE) (UG/L)	DISS-OLVED MAN-GANESE (MN) (UG/L)	CAL-CIUM (CA) (MG/L)	MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)
				WEST RIVER BASIN							
				TOWN OF BETHANY							
412539N0725945.1	BE 115	125	OC	03-09-71	--	920	260	24	3.4	--	--
				TOWN OF HAMDEN							
412119N0725724.1	HM 419	194	OS	03-29-71	--	43	0	51	7.6	--	--
Y412337N0725620.1	HM 425	403	OS	03-29-71	--	1950	0	5.0	.1	--	--
				TOWN OF NEW HAVEN							
411056N0725917.1	NHN 353	200	OC	04-14-71	--	50	0	46	4.9	--	--
411034N0725707.1	NHN 358	44	OD	08-24-71	14	--	--	180	--	--	--
411034N0725707.1	NHN 358	44	OD	09-23-71	--	--	--	--	--	--	--
				TOWN OF WEST HAVEN							
411728N0725605.1	WHV 438	203	OC	04-13-71	--	50	0	33	6.3	--	--
				LONG ISLAND SOUND							
				TOWN OF NEW HAVEN							
411901N0725524.1	NHN 352	204	OS	04-12-71	--	90	0	99	5.1	--	--
411026N0725536.1	NHN 354	43	OD	08-24-71	17	--	--	100	--	--	--
411026N0725536.1	NHN 354	43	OD	09-23-71	--	--	--	--	--	--	--
411031N0725450.1	NHN 356	41	OD	08-24-71	16	--	--	160	44	130	16
411031N0725450.1	NHN 356	41	OD	09-23-71	--	--	--	--	--	--	--

MAJOR AQUIFER: OC CRYSTALLINE BEDROCK, NON-CARBONATE; OD STRATIFIED DRIFT; OS SEDIMENTARY BEDROCK.

Y CO3 5 MG/L.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

SODIUM PLUS POTASSIUM (NA+K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	METHYLENE BLUE ACTIVE SUBSTANCE	TEMPERATURE (DEG C)
WEST RIVER BASIN--Continued													
TOWN OF BETHANY--Continued													
5.6	69	21	5.6	--	.0	119	--	76	18	174	A7.6	--	8.0
TOWN OF HAMDEN													
16	121	31	23	--	11	222	--	138	39	339	A7.5	--	12.0
34	99	19	7.0	--	.6	142	--	63	0	225	A9.2	--	12.5
TOWN OF NEW HAVEN--Continued													
3.5	110	24	11	--	15	172	--	135	45	296	A7.1	--	--
--	525	133	32	.1	22	--	--	--	--	1250	7.8	--	--
--	--	--	29	--	--	--	--	--	--	672	--	--	--
TOWN OF WEST HAVEN--Continued													
34	162	23	18	--	.8	216	--	108	0	368	A7.7	--	11.5
LONG ISLAND SOUND--Continued													
TOWN OF NEW HAVEN--Continued													
22	126	110	65	--	19	432	--	268	167	617	A7.[illegible]	--	--
--	204	68	53	.1	33	--	--	--	--	715	7.[illegible]	--	--
--	--	--	55	--	--	--	--	--	--	58[illegible]	--	--	--
--	610	133	230	.3	33	--	965	581	266	1677	7.[illegible]	--	--
--	--	--	250	--	--	--	--	--	--	980	--	--	--

MINOR ELEMENT ANALYSES, MICROGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

WELL NUMBER	LOCAL NUMBER	DEPTH OF WELL (FT.)	MAJOR AQUIFER	DATE OF SAMPLE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)
		BRANFORD RIVER BASIN					
		TOWN OF GUILFORD					
412136N0724403.1	G 373	140	OS	04-23-71	0	4	3
		CONNECTICUT RIVER BASIN					
		TOWN OF BRISTOL					
414007N0725511.1	BS 95	40	OD	01-29-71	--	--	1700
		MENUNKETESUCK RIVER BASIN					
		TOWN OF CHESHIRE					
412816N0725622.1	CS 173	380	OS	04-26-71	0	14	5
		QUINNIPIAC RIVER BASIN					
		TOWN OF MERIDEN					
413008N0724524.1	ME 199	746	OS	02-08-71	0	1	0
413008N0724524.1	ME 199	746	OS	05-04-71	--	--	--
413328N0724509.1	ME 200	465	OS	02-08-71	20	0	0
413328N0724509.1	ME 200	465	OS	05-04-71	0	--	--
413324N0724502.1	ME 201	225	OS	02-08-71	10	0	0
413324N0724502.1	ME 201	225	OS	05-04-71	0	--	--
413049N0724552.1	ME 205	604	OS	05-05-71	0	0	2
		TOWN OF PROSPECT					
413053N0725841.1	PR 7	442	OC	03-04-71	0	0	--
412929N0725734.1	PR 6	105	OC	04-26-71	0	0	1
		TOWN OF SOUTHINGTON					
413446N0725259.1	S 336	110	OD	02-02-71	0	0	0
413446N0725259.1	S 336	110	OD	05-06-71	--	--	--
413728N0725521.1	S 337	400	OS	02-02-71	30	0	0
413728N0725521.1	S 337	400	OS	05-06-71	0	--	--
413443N0724935.1	S 338	127	OS	02-09-71	10	0	0
413443N0724935.1	S 338	127	OS	05-05-71	0	--	--
		WEPAWAUG RIVER BASIN					
		TOWN OF MILFORD					
411659N0730219.1	MI 307	100	OC	04-27-71	0	21	0

MAJOR AQUIFER: OC CRYSTALLINE BEDROCK, NON-CARBONATE; OD STRATIFIED DRIFT; OS SEDIMENTARY BEDROCK.

DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
BRANFORD RIVER BASIN--Continued						
TOWN OF GUILFORD--Continued						
0	--	6	--	<0.5	--	30
CONNECTICUT RIVER BASIN--Continued						
TOWN OF BRISTOL--Continued						
--	4000	--	--	--	--	6600
MENUNKETESUCK RIVER BASIN--Continued						
TOWN OF CHESHIRE--Continued						
0	--	0	--	.5	--	--
QUINNIPIAC RIVER BASIN--Continued						
TOWN OF MERIDEN--Continued						
0	--	0	--	--	--	270
--	--	--	--	<.5	--	630
0	--	2	--	--	--	1700
--	--	--	--	<.5	--	380
0	--	5	--	--	--	100
--	--	--	--	<.5	--	30
0	0	4	10	<.5	140	30
TOWN OF PROSPECT--Continued						
0	--	7	--	<.5	--	3
1	--	6	--	<.5	--	50
TOWN OF SOUTHINGTON--Continued						
2	--	0	--	--	--	40
--	--	--	--	<.5	--	--
0	--	1	--	--	--	30
--	--	--	--	<.5	--	--
0	--	0	--	--	--	30
--	--	--	--	<.5	--	--
WEPAWAUG RIVER BASIN--Continued						
TOWN OF MILFORD--Continued						
0	--	4	--	<.5	--	80

CONNECTICUT RIVER BASIN

NEAR COLEBROOK, CONN.

LOCATION.--Lat 42°00'15", long 73°02'32", Litchfield County, at U.S. Corps of Engineer Weather Station, Colebrook River Reservoir, 0.2 mile east of State Highway 8, 2.7 miles northeast of Colebrook.

RECORDS AVAILABLE.--Chemical analyses: April to September 1971 (monthly composite).

EQUIPMENT.--The sampler collector is a straight-sided polyethylene funnel approximately 7 inches in diameter which drains thru a polyvinyl-chloride tube into a polyethylene receiving container. The drain tube and short air-vent tube are inserted in a polyethylene stopper in the lid of receiving container. The diameter of each of these tubes is kept very small to minimize evaporation losses. A small pad of glass wool in the neck of the funnel acts as a filter to prevent large size particles of debris from entering the receiving container. The receiving container is enclosed in a wooden box mounted on a post with the rim of the collecting funnel approximately five feet above the ground level.

REMARKS.--Sulfate (SO_4) chloride (Cl), nitrate (NO_3), and ammonia nitrogen as NH_4 values below 5.0 mg/l are reported to the nearest 0.05 mg/l. Bicarbonate (HCO_3) values below 10 mg/l are reported to the nearest 0.5 mg/l. Values for pH less than 5.3 are reported to the nearest 0.05 units. Inches of precipitation is that for the U.S. Corps of Engineer Weather Station for the reported period of sampling.

CHEMICAL ANALYSES, APRIL TO SEPTEMBER 1971

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	NITRATE (NO3) (MG/L)
04-01-71 to 05-05-71	2.65	2.0	0.25	0.8	0.8	0.65	0.0	6.4	0.60	3.50
05-05-71 to 05-31-71	4.30	1.0	0.09	0.0	0.0	0.31	0.0	5.3	0.15	1.74
05-31-72 to 06-30-71	1.78	8.0	0.70	1.7	0.7	1.19	10	12	2.00	3.09
06-30-71 to 08-01-71	2.17	4.5	0.40	1.3	0.7	2.84	15	8	0.10	2.21
08-01-71 to 08-31-72	6.26	0.2	0.10	0.2	0.2	--	0.0	2.50	0.10	0.88
08-31-71 to 09-30-71	3.55	0.1	0.01	0.4	0.3	--	0.0	2.00	0.10	1.77

PERIOD OF COLLECTION	DISSOLVED SOLIDS (RESIDUE AT 180°C)	DISSOLVED SOLIDS (CALCULATED) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
04-01-71 to 05-05-71	19	15	6	6	4.40	46
05-05-71 to 05-31-71	14	9	3	3	4.40	26
05-31-71 to 06-30-71	43	37	23	15	6.7	62
06-30-71 to 08-01-71	--	28	13	1	6.7	55
08-01-71 to 08-31-71	--	--	1	1	4.51	20
08-31-71 to 09-30-71	--	5	0	0	4.30	33

CONNECTICUT RIVER BASIN

NEAR BURLINGTON, CONN.

LOCATION.--Lat 41°47'40", long 72°55'58", Hartford County, at National Weather Service Station Burlington, at at the Metropolitan District Commission Nepaug Station maintainence headquarters, 0.3 mile west of State Highway 179.

RECORDS AVAILABLE.--Chemical analyses: April to September 1971 (monthly composite).

EQUIPMENT.--The sampler collector is a straight-sided polyethylene funnel approximately 7 inches in diameter which drains thru a polyvinyl-chloride tube into a polyethylene receiving container. The drain tube and short air-vent tube are inserted in a polyethylene stopper in the lid of receiving container. The diameter of each of these tubes is kept very small to minimize evaporation losses. A small pad of glass wool in the neck of the funnel acts as a filter to prevent large size particles of debris from entering the receiving container. The receiving container is enclosed in a wooden box mounted on a post with the rim of the collecting funnel approximately five feet above the ground level.

REMARKS.--Sulfate (SO_4), chloride (Cl), nitrate (NO_3), and ammonia nitrogen as NH_4 values below 5.0 mg/l are reported to the nearest 0.05 mg/l. Bicarbonate (HCO_3) values below 10 mg/l are reported to the nearest 0.5 mg/l. Values for pH less than 5.3 are reported to the nearest 0.05 units. Inches of precipitation is that for the National Weather Station for the reported period of sampling.

CHEMICAL ANALYSES, APRIL TO SEPTEMBER 1971

PERIOD OF COLLECTION	INCHES OF PRECIPI-TATION	CAL-CIUM (CA) (MG/L)	MAG-NE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	PO-TAS-SIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	NITRATE (NO3) (MG/L)
04-10-71 to 05-05-71	2.96	5.0	0.47	22	1.7	0.63	0.0	26	3.10	23
05-05-71 to 05-31-71	4.93	3.0	0.30	5.9	1.8	6.1	22	9.7	0.90	9.6
05-31-71 to 06-30-71	.97	3.0	0.50	2.0	3.2	19	30	17	2.40	38
06-30-71 to 08-01-71	4.69	1.5	0.10	1.1	0.9	4.13	10	6.7	0.50	2.65
08-01-71 to 08-31-71	6.73	0.7	0.10	0.9	0.4	1.07	4.0	3.50	0.20	1.33
08-31-71 to 09-30-71	5.88	0.3	0.01	0.7	0.5	1.03	0.0	2.30	0.30	1.33

PERIOD OF COLLECTION	DISS-OLVED SOLIDS (RESI-DUE AT 180°C)	DISS-OLVED SOLIDS (CALCU-LATED) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PH (UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)
04-10-71 to 05-05-71	135	87	14	14	5.3	151
05-05-71 to 05-31-71	67	48	9	0	6.7	84
05-31-71 to 06-30-71	--	101	10	0	6.8	133
06-30-71 to 08-01-71	--	23	4	0	6.4	46
08-01-71 to 08-31-71	--	10	2	0	5.8	19
08-31-71 to 09-30-71	--	6	1	1	5.20	19

CONNECTICUT RIVER BASIN

NEAR NEW BRITAIN, CONN.

LOCATION.--Lat 41°38'42", long 72°49'02", Hartford County, at New Britain water treatment plant, 25 feet northwest of filter plant, 1.2 miles northeast of National Weather Service Station Shuttle Meadow Reservoir, and 2.7 miles southwest of New Britain.

RECORDS AVAILABLE.--Chemical analyses: April to September 1971 (monthly composite).

EQUIPMENT.--The sampler collected is a straight-sided glass funnel approximately 6.5 inches in diameter which drains into a polyethylene receiving container. A fitted glass disk is used as a filter between the collector and the receiving container. The receiving container is enclosed in an insulated box equipped with a thermostatically controlled heating element designed to keep the temperature between 4°C and 7°C. The opening for the collector is approximately five feet above ground level and is protected by a windshield.

REMARKS.--Sulfate (SO_4), chloride (Cl), nitrate (NO_3), and ammonia nitrogen as NH_4 values below 5.0 mg/l are reported to the nearest 0.05 mg/l. Bicarbonate (HCO_3) values below 10 mg/l are reported to the nearest 0.5 mg/l. Values for pH less than 5.3 are reported to the nearest 0.05 units. Inches of precipitation is that for the National Weather Station for the reported period of sampling.

CHEMICAL ANALYSES, APRIL TO SEPTEMBER 1971

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	NITRATE (NO_3) (MG/L)
04-01-71 to 04-30-71	2.69	3.0	0.38	0.3	0.1	0.78	2.0	4.20	0.80	3.00
04-30-71 to 06-01-71	4.63	1.0	0.10	1.6	0.0	0.34	0.0	6.3	0.30	2.23
06-01-71 to 06-30-71	1.49	2.0	0.20	0.7	0.8	1.14	0.0	11	6.5	0.44
06-30-71 to 08-02-71	4.05	0.5	0.05	1.0	0.6	0.27	0.0	5.9	0.70	0.00
08-02-71 to 09-01-71	6.01	0.3	0.10	0.6	0.1	--	0.0	2.70	0.50	0.88
09-01-71 to 10-01-71	5.27	0.0	0.01	0.4	0.3	--	0.0	2.00	0.60	0.00

PERIOD OF COLLECTION	DISSOLVED SOLIDS (RESIDUE AT 180°C)	DISSOLVED SOLIDS (CALCULATED) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
04-01-71 to 04-30-71	14	14	9	7	5.6	24
04-30-71 to 06-01-71	14	12	3	3	4.20	42
06-01-71 to 06-30-71	29	23	6	6	3.81	69
06-30-71 to 08-02-71	--	9	1	1	4.51	32
08-02-71 to 09-01-71	--	--	1	1	4.31	26
09-01-71 to 10-01-71	--	3	0	0	4.50	24

CONNECTICUT RIVER BASIN

NEAR AMSTON, CONN.

LOCATION.--Lat 41°36'34", long 72°21'28", Tolland County, at Hebron Highway Department garage, 100 feet southwest of highway garage, 4.2 miles northeast of National Weather Service Station Colchester 1E, and 1.2 miles southwest of Amston.

RECORDS AVAILABLE.--Chemical analyses: April to September 1971 (monthly composite).

EQUIPMENT.--The sampler collector is a straight-sided polyethylene funnel approximately 7 inches in diameter which drains thru a polyvinyl-chloride tube into a polyethylene receiving container. The drain tube and short air-vent tube are inserted in a polyethylene stopper in the lid of receiving container. The diameter of each of these tubes is kept very small to minimize evaporation losses. A small pad of glass wool in the neck of the funnel acts as a filter to prevent large size particles of debris from entering the receiving container. The receiving container is enclosed in a wooden box mounted on a post with the rim of the collecting funnel approximately five feet above the ground level.

REMARKS.--Sulfate (SO_4), chloride (Cl), nitrate (NO_3), and ammonia nitrogen as NH_4 values below 5.0 mg/l are reported to the nearest 0.05 mg/l. Bicarbonate (HCO_3) values below 10 mg/l are reported to the nearest 0.5 mg/l. Values for pH less then 5.3 are reported to the nearest 0.05 units. Inches of precipitation is that for the National Weather Station for the reported period of sampling.

CHEMICAL ANALYSES, APRIL TO SEPTEMBER 1971

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	NITRATE (NO3) (MG/L)
04-05-71 to 04-30-71	2.11	2.0	0.27	2.2	1.0	0.84	2.0	7	1.25	3.20
04-30-71 to 06-01-71	4.51	3.1	0.19	0.9	0.6	1.04	2.0	7	1.05	2.96
06-01-71 to 06-30-71	1.49	0.9	0.40	0.5	2.3	9.6	0.0	12	1.00	6.2
06-30-71 to 08-02-71	5.24	0.5	0.09	0.4	0.8	1.26	0.0	5.0	0.50	1.77
08-02-71 to 09-01-71	3.55	0.6	0.30	1.2	0.6	0.64	0.0	4.90	1.80	1.77
09-01-71 to 10-01-71	5.81	0.1	0.01	0.4	0.4	----	0.0	0.90	1.00	----

PERIOD OF COLLECTION	DISSOLVED SOLIDS (RESIDUE AT 180°C)	DISSOLVED SOLIDS (CALCULATED) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
04-05-71 to 04-30-71	24	19	6	4.4	5.6	35
04-30-71 to 06-01-71	21	18	9	7	4.90	34
06-01-71 to 06-30-71	26	46	4	4	4.51	108
06-30-71 to 08-02-71	--	10	2	2	4.81	26
08-02-71 to 09-01-71	--	12	3	3	4.40	41
09-01-71 to 10-01-71	--	4	0	0	4.90	15

CONNECTICUT RIVER BASIN

AT ESSEX, CONN

LOCATION.--Lat 41°20'57", long 72°23'07", Middlesex County, at Essex Marine Laboratory, 25 feet east of Essex Marine Laboratory, 4 miles northeast of National Weather Service Station Westbrook, and 0.6 mile southeast of Essex.

RECORDS AVAILABLE.--Chemical analyses: April to September (monthly composite).

EQUIPMENT.--The sampler collector is a straight-sided polyethylene funnel approximately 7 inches in diameter which drains thru a polyvinyl-chloride tube into a polyethylene receiving container. The drain tube and short air-vent tube are inserted in a polyethylene stopper in the lid of receiving container. The diamter of each of these tubes is kept very small to minimize evaporation losses. A small pad of glass wool in the neck of the funnel acts as a filter to prevent large size particles of debris from entering the receiving container. The receiving container is enclosed in a wooden box mounted on a post with the rim of the collecting funnel approximately five feet above the ground level.

REMARKS.--Sulfate (SO_4), chloride(Cl), nitrate (NO_3), and ammonia nitrogen as NH_4 values below 5.0 mg/l are reported to the nearest 0.05 mg/l. Bicarbonate (HCO_3) values below 10 mg/l are reported to the nearest 0.5 mg/l. Values for pH less than 5.3 are reported to the nearest 0.05 units. Inches of precipitation is that for the National Weather Station for the reported period of sampling.

CHEMICAL ANALYSIS, APRIL TO SEPTEMBER 1971

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	AMMONIA (NH4) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	NITRATE (NO3) (MG/L)
04-05-71 to 04-30-71	2.30	3.5	0.12	0.4	0.4	0.35	0.0	3.40	0.50	2.80
04-30-71 to 06-01-71	4.17	1.8	0.22	0.6	0.4	0.32	0.0	8.0	0.80	3.24
06-01-71 to 06-30-71	1.03	2.0	0.50	0.9	0.6	4.39	0.0	16	0.10	5.3
06-30-71 to 07-21-71	5.63	0.4	0.07	0.6	0.5	1.14	2.0	3.95	0.60	1.33
06-30-71 to 08-02-71	8.09	0.4	0.08	0.6	1.0	1.68	3.0	3.50	0.60	1.77
08-02-71 to 09-01-71	3.94	3.5	7.00	70	0.1	1.23	0.0	22	130	2.21
09-01-71 to 10-01-71	2.74	0.2	0.02	2.3	0.4	----	0.0	1.80	2.40	----

PERIOD OF COLLECTION	DISSOLVED SOLIDS (RESIDUE AT 180°C)	DISSOLVED SOLIDS (CALCULATED) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)
04-05-71 to 04-30-71	12	11	9	9	4.60	32
04-30-71 to 06-01-71	18	15	5	5	4.20	52
06-01-71 to 06-30-71	32	31	7	7	4.0	88
06-30-71 to 07-21-71	--	10	1	0	5.4	18
06-30-71 to 08-02-71	--	11	1	0	5.8	22
08-02-71 to 09-01-71	--	236	38	38	4.70	491
09-01-71 to 10-01-71	--	10	1	1	4.50	39

PART 3. GROUND-WATER RECORDS

FAIRFIELD COUNTY

413007N0732505.1. (BD 8) U.S. Geological Survey, Route 7, Brookfield. Bored unused observation water-table well in sand and gravel of Pleistocene age, diam 1¼ in, depth 53 ft, well point 50-53, plastic. Lsd about 255 ft above msl. MP top of plastic casing 1.10 ft above lsd. Highest water level 27.55 Feb. 24, 1970; lowest 33.05 Jan. 4, 1967. Records available 1967-71.

1970		1971			
Oct. 23	32.95	Jan. 21	32.68	May 21	29.25
Dec. 21	32.70	Feb. 23	31.90	June 22	30.03
		Mar. 25	28.87	July 23	31.26
		Apr. 23	28.75	Sept. 24	29.80

411256N0731531.1. (FF 23) U.S. Geological Survey. Merritt Parkway near Rt. 59, Fairfield. Bored unused observation water-table well in glacial gravel of Pleistocene age, diam 1¼ in, depth 42 ft, screened 39-42, steel. Lsd 130 ft above msl. MP top of casing, 2.40 ft above lsd. Highest water level 7.20 June 14, 1968; lowest 8.79 Sept. 25, 1967. Records available 1966-71

1970		1971			
Oct. 27	8.54	Jan. 26	8.47	May 24	7.90
Nov. 23	8.13	Feb. 23	7.58	June 24	8.49
Dec. 28	8.33	Mar. 23	7.28	July 26	8.58
		Apr. 27	8.13	Aug. 24	8.42
				Sept. 23	7.67

412429N073165.1. (NT 15) U.S. Geological Survey. Near Fairfield State Hospital, Newtown. Bored unused observation water-table well in glacial sand and gravel of Pleistocene age, diam 1¼ in, depth 33 ft, well point 31-33, plastic. Lsd about 265 ft above msl. MP lowest inside edge of plastic pipe, 2.40 ft above lsd. Highest water level 2.70 Feb. 24, 1970, lowest 10.50 Oct. 23, 1971. Records available 1967-71.

1970		1971			
Oct. 23	10.50	Jan. 21	8.82	May 21	3.95
Dec. 21	9.50	Feb. 23	5.30	June 22	6.36
		Mar. 25	3.23	July 23	8.14
		Apr. 23	3.87	Aug. 26	8.90
				Sept. 24	4.52

HARTFORD COUNTY

414615N0725816.1. (BU 2) John Copjec. Junction of State Route 4a and 69, Burlington. Dug domestic water-table well in glacial till of Pleistocene age, diam 36 in, depth 38 ft, stone-lined. Lsd about 880 ft above msl. MP top of curb, 3.00 ft above lsd. Highest water level 12.70 Aug. 19, 1955; lowest 37.41 Dec. 22, 1948. Records available 1946-71.

1970		1971			
Oct. 23	34.54	Jan. 21	32.60	May 21	16.72
Nov. 24	35.76	Feb. 22	26.90	June 21	18.00
Dec. 21	36.04	Mar. 25	20.69	July 23	20.54
		Apr. 23	16.47	Aug. 26	23.45
				Sept. 24	22.48

415221N0725130.1. (SI 57) O. D. Tuller. Farms Village Rd., Simsbury. Dug unused water-table well in gravel of Pleistocene age, diam 36-48 in, depth 30 ft, fieldstone. Lsd about 332 ft above msl. MP top of 2 in hole in cover 0.30 ft above lsd. Highest water level 25.51 Aug. 15, 1967; lowest 30.39 Oct. 23, 1970. Records available 1966-71. (Discont. 9-30-71)

1970		1971			
Oct. 8	30.16	Jan. 21	28.32	May 25	26.60
23	30.39	Feb. 2	28.27	June 21	27.48
Nov. 6	30.30	17	27.98	July 2	27.75
30	29.05	Mar. 1	26.75	22	28.26
Dec. 16	28.73	17	26.24	Sept. 17	28.02
29	28.46	Apr. 2	26.02	30	28.10
		22	26.54	Measurements discontinued	

415150N0725155.1. (SI 300) L. Manne. West Mountain Rd., Simsbury. Dug unused water-table well in stratified drift of Pleistocene age, diam 30 in, depth 18 ft, fieldstone. Lsd about 320 ft above msl. MP east side of well house 3.00 ft above lsd. Highest water level 9.57 Mar. 17, 1971; lowest 15.26 Sept. 28, 1970. Records available 1966-71. (Discont. 9-30-71)

1970		1971			
Oct. 9	14.62	Jan. 21	13.25	May 25	10.70
20	14.40	Feb. 2	13.18	June 21	12.13
Nov. 6	14.29	17	13.00	July 2	12.48
30	13.45	Mar. 1	10.66	22	13.38
Dec. 16	13.42	17	9.57	Sept. 17	13.00
29	13.36	Apr. 2	8.97	30	13.08
		22	10.34	Measurements discontinued	

415031N0725041.1. (SI 301) A. Forbes. Route 167, Simsbury. Dug unused water-table well in glacial till of Pleistocene age, diam 27 in, depth 17 ft, fieldstone. Lsd about 405 ft above msl. MP middle of north edge of concrete frame 0.40 ft above lsd. Highest water level 3.09 Apr. 3, 1970; lowest 13.87 Nov. 6, 1970. Records available 1966-71. (Discont. 9-30-71)

1970		1971			
Oct. 8	13.58	Jan. 21	11.05	May 25	6.24
23	13.82	Feb. 2	9.84	June 21	8.66
Nov. 6	13.87	17	9.75	July 2	9.55
30	12.53	Mar. 1	6.16	22	10.74
Dec. 16	11.89	17	4.38	Sept. 17	10.42
29	11.63	Apr. 2	5.48	30	9.70
		22	6.01	Measurements discontinued	

415412N0725030.1. (SI 302) F. Duschaneck. Holcomb Rd., Simsbury. Dug unused water-table well in stratified drift of Pleistocene age, diam 30 in, depth 19 ft, fieldstone. Lsd about 320 ft above msl. MP top of stone casing 0.50 above lsd. Highest water level 13.67 Apr. 3, 1970; lowest 18.07 Oct. 8, 1970. Records available 1967-71. (Discont. 9-30-71)

1970		1971			
Oct. 8	18.07	Jan. 21	15.76	May 25	14.86
23	17.58	Feb. 2	15.76	June 21	15.70
Nov. 6	17.35	17	14.96	July 2	15.68
30	16.25	Mar. 1	14.56	22	16.40
Dec. 16	16.29	17	14.22	Sept. 17	15.70
29	15.98	Apr. 2	14.63	30	15.93
		22	14.85	Measurements discontinued	

415338N0725051.1. (SI 303) Wm. Roddy Jr. Vining Dr., Simsbury. Dug unused water-table well in stratified drift of Pleistocene age, diam 30 in, depth 15 ft, fieldstone. Lsd about 310 ft above msl. MP east side of frame at lsd until May 1, 1970; 0.21 ft above lsd thereafter. Highest water level 5.90 Apr. 17, 1970; lowest 11.99 Oct. 6, 1970. Records available 1966-71. (Discont. 9-30-71)

1970		1971			
Oct. 8	11.90	Jan. 21	10.06	May 25	6.74
23	11.91	Feb. 2	10.12	June 21	7.84
Nov. 6	11.99	17	9.88	July 2	8.37
30	10.83	Mar. 1	7.82	22	9.42
Dec. 16	10.47	17	5.82	Sept. 17	9.84
29	10.39	Apr. 2	5.95	30	9.64
		22	6.34	Measurements discontinued	

HARTFORD COUNTY--Cont.

415221N0725130.2. (SI 304, formerly SI 57a) O. D. Tuller. Farms Village Rd., Simsbury. Dug unused water-table well in gravel of Pleistocene age, diam 36 in, depth 26 ft, fieldstone. Lsd about 325 ft above msl. MP edge of hole in concrete 0.30 ft above lsd. Highest water level 20.62 Mar. 17, 1971; lowest 25.41 Sept. 15, 1970. Records available 1966-71. (Discont. 9-30-71)

	1970			1971		May	21	22.07
Oct.	8	25.38	Jan.	21	24.22	June	21	23.09
	23	25.34	Feb.	2	24.04	July	2	23.72
Nov.	6	25.37		17	23.51		22	23.88
	30	24.30	Mar.	1	21.33	Sept.	17	23.29
Dec.	26	24.24		17	20.62		30	23.65
	29	24.20	Apr.	2	21.04	Measurements		
				22	21.75	discontinued		

414910N0723721.1. (SW 64). Robert S. Starr, Jr. Main St., South Windsor. Dug unused water-table well in glacial sand of Pleistocene age, diam 24 in, depth 18 ft, brick-lined. Lsd about 40 ft above msl. MP top edge of hole in flagstone cover, 0.50 ft above lsd. Highest water level 7.15 Mar. 30, 1936; lowest 15.22 Jan. 26, 1966. Records available 1934-39, 1948-71.

	1970			1971		May	21	10.59
Oct.	23	12.73	Jan.	25	12.95	June	22	11.57
Nov.	24	12.78	Feb.	24	12.49	July	23	12.19
Dec.	23	12.73	Mar.	29	10.50	Aug.	26	12.47
			Apr.	23	10.72	Sept.	27	12.44

LITCHFIELD COUNTY

420125N0731930.1. (NOC 7) James Lyles. U.S. Route 7 and East Main St., North Canaan. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 12 ft, stone-lined. Lsd about 675 ft above msl. MP top of concrete curb, at lsd. Highest water level 7.60 Mar. 26, 1963; lowest 11.18 Sept. 5, 1961. Records available 1958-71.

	1970			1971		May	20	9.40
Oct.	22	10.00	Jan.	21	9.59	June	22	9.98
Nov.	24	9.58	Feb.	22	9.29	July	22	10.40
Dec.	21	9.69	Mar.	25	9.29	Aug.	26	9.65
			Apr.	21	9.44	Sept.	24	9.35

420053N0731552.1. (NOC 15) U.S. Geological Survey. Browns Lane near East Canaan, in North Canaan. Bored unused observation water-table well in sand and gravel of Pleistocene age, diam 1¼ in, depth 17 ft, well point 14-17, plastic. Lsd about 765 ft above msl. MP top of plastic casing 0.60 ft above lsd. Highest water level 4.37 Mar. 28, 1969; lowest 8.77 Oct. 22, 1970. Records available 1967-71.

	1970			1971		May	20	5.37
Oct.	22	8.77	Jan.	21	8.12	June	22	6.60
Dec.	21	8.44	Feb.	22	7.02	July	22	7.69
			Mar.	25	4.85	Aug.	26	8.48
			Apr.	21	5.20	Sept.	24	8.38

414910N0730723.1. (T 2) Warrenton Woolen Co. 839 Main St., Torrington. Drilled unused artesian well in crystalline bedrock, diam 8 in, depth 381 ft, cased to 34. Lsd about 650 ft above msl. MP top of casing at lsd. Highest water level 5.12 Apr. 4, 1960; lowest 8.60 Sept. 28, 1964. Records available 1958-71.

	1970		Dec.	7	6.35	Feb.	1	6.70
Oct.	5	6.95		14	6.48		8	6.82
	12	7.15		22	6.37		15	6.10
	19	7.02		28	6.58		22	6.08
	26	6.77				Mar.	1	5.52
Nov.	1	6.95		1971			8	5.60
	9	6.95	Jan.	4	6.70		15	5.88
	16	6.32		11	6.47		22	5.60
	23	6.25		18	6.66		27	5.73
	30	6.43		25	6.80	Apr.	5	5.77

414910N0730723.1. (T 2)--Cont.

	1971		May	31	6.50	Aug.	2	6.68
Apr.	12	5.66	June	7	6.68		9	6.65
	19	6.12		14	6.86		16	6.85
	26	6.32		21	7.04		30	6.37
May	3	6.38		28	7.09	Sept.	7	6.71
	10	5.98	July	7	7.16		13	6.49
	17	5.80		12	6.70		20	6.29
	24	6.26		19	6.72		27	6.48
				26	6.77			

413202N0731224.1. (WY 1) Irene Thulin. Main St., about 500 ft south of Orenaug Rd., Woodbury. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 30 in, depth 31 ft, stone-lined. Lsd about 270 ft abovu msl. MP top of hole in cover, 2.62 ft above lsd. Recording gage installed Oct. 5, 1965. Highest water level 19.44 Apr. 1, 1953; lowest 31.00 Oct. 10, 1914. Record available 1913-16, 1944-71.

	1970			1971		May	21	21.42
Oct.	23	29.17	Jan.	21	28.05	June	22	23.21
Nov.	24	29.05	Feb.	23	26.31	July	23	24.43
Dec.	21	29.09	Mar.	25	20.65	Aug.	26	28.56
			Apr.	23	21.05	Sept.	24	26.56

MIDDLESEX COUNTY

413033N0724320.1. (MF 1) Lyman Gun Sight Corp. Near Baileyville, Middlefield. Dug unused water-table well in glacial till of Pleistocene age, diam 24 in, depth 22 ft, stone-lined. Lsd about 260 ft above msl. MP top of north side of flagstone curb at lsd. Highest water level 3.12 Apr. 3, 1951; lowest 16.92 Nov. 24, 1964. Records available 1946-71.

	1970			1971		May	24	5.98
Oct.	27	14.70	Jan.	26	10.73	June	24	9.84
Nov.	23	14.22	Feb.	22	5.54	July	26	12.23
Dec.	29	12.00	Mar.	24	4.83	Aug.	24	13.18
			Apr.	27	8.32	Sept.	23	7.36

413254N0723355.1. (MT 261) United Aircraft Corp., Middletown. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in, depth 28 ft, stone-lined. Lsd about 145 ft above msl. MP top of stone cover at lsd. Highest water level 10.46 May 21, 1970; lowest dry Dec. 2, 1957. Records available 1956-71.

	1970			1971		May	24	19.17
Oct.	30	25.22	Jan.	26	21.91	June	24	20.49
Nov.	24	25.64	Feb.	23	20.36	July	26	21.70
Dec.	29	24.69	Mar.	24	18.86	Aug.	25	22.50
			Apr.	27	19.50	Sept.	23	20.65

NEW HAVEN COUNTY

411457N0725245.1. (EHV 70) H. A. Doolittle, Silver Sands Rd., East Haven. Dug unused water-table well in glacial till of Pleistocene age, diam 24 in, depth 16 ft, cement tile. Lsd about 25 ft above msl. MP top of concrete curb, 2.10 ft above lsd. Highest water level 7.27 Mar. 30, 1953; lowest 16.03 Nov. 22, 1935. Records available 1935-39, 1951-71.

	1970			1971		May	24	10.50
Oct.	27	15.03	Jan.	26	11.14	June	24	11.79
Nov.	23	13.62	Feb.	23	10.31	July	26	12.94
Dec.	28	11.59	Mar.	23	8.69	Aug.	24	12.95
			Apr.	27	11.17	Sept.	23	12.13

411842N0725536.1. (NHN 170) Yale University, Grove and College Sts., New Haven. Driven unused water-table well in glacial sand of Pleistocene age, diam 2 in, depth 14 ft. Lsd 41.09 ft above msl. MP top of casing, 23.39 ft above msl. Highest water level 18.89 ft above msl May 28, 1953 and Jan. 26, 1971; lowest 15.64 ft above msl Jan. 14, 1942. Records available 1939-71.

	1970			1971		May	24	17.76
Oct.	27	17.18	Jan.	26	18.89	June	24	17.56
Nov.	23	17.10	Feb.	22	17.10	July	26	17.42
Dec.	28	16.94	Mar.	23	17.41	Aug.	24	17.39
			Apr.	27	17.77	Sept.	23	17.62

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NEW HAVEN COUNTY--Cont.

411838N072507.1. (NHN 175) Monarch Laundry, Derby Ave. and Ellsworth St., New Haven. Drilled unused water-table well in glacial sand of Pleistocene age, diam 6 in, depth 54 ft. Lsd 32.84 ft above msl. MP top of shelf, 33.84 ft above msl. Highest water level 5.42 ft above msl May 28, 1953; lowest 2.27 ft above msl Dec. 17, 1941. Records available 1939-71.

1970		1971			
				May 24	3.68
Oct. 27	4.25	Jan. 26	3.71	June 24	3.77
Nov. 23	4.11	Feb. 22	3.54	July 26	3.80
Dec. 26	3.71	Mar. 23	3.64	Aug. 24	3.84
		Apr. 27	3.69	Sept. 23	4.56

411829N0725420.2. (NHN 179, formerly NHN 179a) Porto Construction Co. Grand Ave. and Haven St., New Haven. Driven unused water-table well in glacial sand of Pleistocene age, diam 3 in, depth 65 ft. Lsd 13.76 ft above msl. MP top of casing, 14.36 ft above msl. Highest water level 1.62 ft below msl; lowest 7.57 ft below msl July 26, 1971. Records available 1957-71.

1970		1971			
				May 24	-2.42
Oct. 27	-3.80	Jan. 26	-2.21	June 24	-2.34
Nov. 23	-3.62	Feb. 23	-3.48	July 26	-1.62
Dec. 28	-3.70	Mar. 23	-3.13	Aug. 24	-2.41
		Apr. 27	-2.71	Sept. 23	-2.52

411805N0725458.1. (NHN 235) C. Cowles and Co. Chestnut and Water St., New Haven. Drilled unused water-table well in glacial sand of Pleistocene age, diam 8 in, depth 39 ft, screened 28-38. Lsd 14.80 ft above msl. MP seat of manhole cover, 14.80 ft above msl. Fluctuation affected by pumping. Highest water level 3.43 ft above msl Sept. 23, 1971; lowest -2.30 ft below msl Aug. 31, 1944. Records available 1940-71.

1970		1971			
				May 24	2.47
Oct. 27	2.66	Jan. 26	3.08	June 24	3.16
Nov. 23	2.82	Feb. 23	2.90	July 26	3.13
Dec. 28	2.92	Mar. 23	3.31	Aug. 24	3.20
		Apr. 27	3.17	Sept. 23	3.43

413134N0730217.1. (WB 93) Mrs. Simeon W. Nichols, 131 Pearl Lake Rd., Waterbury. Dug unused water-table well in glacial gravel of Pleistocene age, diam 32 in, depth 33 ft, stone-lined. Lsd about 320 ft above msl. MP bottom edge of flagstone at northwest corner of well at lsd. Highest water level 23.99 Apr. 1, 1953; lowest 29.68 Sept. 27, 1962. Records available 1944-71.

1970		1971			
				May 21	26.92
Oct. 23	28.17	Jan. 21	27.67	June 22	27.42
Nov. 24	27.92	Feb. 23	27.17	July 23	27.85
Dec. 21	27.86	Mar. 25	26.13	Aug. 26	27.04
		Apr. 23	26.97	Sept. 24	26.60

413245N0725842.1. (WB 190) A. A. Baker, 185 Pierpont Rd., Waterbury. Dug domestic water-table well in glacial till of Pleistocene age, diam 30 in, depth 31 ft, stone-lined. Lsd about 540 ft above msl. MP flagstone at southeast corner of well, at lsd. Highest water level 5.45 Jan. 10, 1946; lowest 21.00 Nov. 26, 1949. Records available 1944-71.

1970		1971			
				May 21	12.25
Oct. 23	18.47	Jan. 21	17.72	June 22	13.62
Dec. 21	17.58	Feb. 23	15.19	July 23	15.30
		Mar. 25	11.90	Aug. 26	16.53
		Apr. 23	12.17	Sept. 24	14.79

NEW LONDON COUNTY

412013N0720306.1. (GT 19) John E. Ackley, Jr., Poquonock Plains, Groton. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 18 ft, stone-lined. Lsd about 22 ft above msl. MP bottom of fieldstone on west side of well at lsd. Highest water level 9.98 Apr. 6, 1970; lowest 17.97 Oct. 6, 1963. Records available 1958-71.

1970		Jan. 25	15.12	May 31	15.31
Oct. 5	17.06	31	15.45	June 6	15.60
11	17.17	Feb. 7	14.65	13	15.87
18	17.15	14	15.25	20	16.12
26	16.70	21	15.43	27	16.37
Nov. 1	16.46	28	15.07	July 5	16.61
9	15.32	Mar. 8	13.88	11	16.75
16	14.48	15	13.64	18	16.92
22	14.10	22	13.83	26	16.95
30	14.71	29	14.03	Aug. 1	17.00
Dec. 7	15.20	Apr. 5	14.56	9	17.07
14	15.53	12	14.53	15	17.16
20	14.75	19	14.82	22	17.25
28	14.39	25	15.08	31	17.35
		May 3	15.38	Sept. 5	17.40
1971		10	15.43	13	17.50
Jan. 3	14.87	16	15.15	20	17.57
10	14.08	24	14.98	27	17.65
19	14.72				

TOLLAND COUNTY

414548N0721145.1. (MS 19) C. T. DeBoer. State Route 195 and Cemetery Rd., Mansfield. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in, depth 22 ft, cement tile. Lsd about 260 ft above msl. MP top of tile at lsd. Highest water level 9.10 May 26, 1964; lowest 15.72 Jan. 26, 1966. Records available 1958-71.

1970		1971			
				May 21	10.44
Oct. 23	13.98	Jan. 25	11.29	June 22	11.18
Nov. 24	13.84	Feb. 24	11.84	July 23	12.34
Dec. 23	12.63	Mar. 25	10.58	Aug. 26	12.94
		Apr. 23	10.45	Sept. 27	12.77

WINDHAM COUNTY

414911N0715620.1. (BK 41) Richard Brouillard, Darby and Barrett Hill Rds., Brooklyn. Drilled unused artesian well in crystalline bedrock, diam 6 in, depth 107 ft, cased to 9. Lsd about 330 ft above msl. MP top of casing, 1.15 ft above lsd. Highest water level 4.78 Apr. 16, 1964; lowest 17.60 Sept. 27, 1957. Records available 1957-71.

1970		1971			
				May 21	8.74
Oct. 23	16.79	Jan. 25	11.29	June 22	10.82
Nov. 24	13.83	Feb. 24	8.99	July 23	13.43
Dec. 22	9.92	Mar. 25	6.29	Aug. 26	14.79
		Apr. 23	9.19	Sept. 27	15.24

414054N0715520.1. (PL 1) Clifford Starkweather, Pleasant St., Plainfield. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in, depth 34 ft, brick-lined. Lsd about 180 ft above msl. MP top of stone curb at lsd. Affected by pumping of well 2,000 ft distant since about August 1962. Recorder removed June 25, 1968. Highest water level 27.24 Apr. 28, 1953; lowest 33.22 Feb. 11, 1966. Records available 1942-71.

1970		1971			
				May 21	30.45
Oct. 23	32.11	Jan. 25	32.72	June 22	30.80
Nov. 24	32.00	Feb. 24	29.98	July 23	31.37
Dec. 22	31.86	Mar. 25	30.48	Aug. 26	31.76
		Apr. 23	30.34	Sept. 27	31.88

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